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REPORT

AMT
The Association For Manufacturing Technology
Founded 1902 as National Machine Tool Builders' Association

Direct Dial: (703) 827-5260

STATISTICAL

No. 84-92 September 30, 1992

U.S. FOREIGN TRADE IN MANUFACTURING TECHNOLOGY – JULY 1992

(values in millions of U.S. dollars)

	July 1992	June 1992	Average Apr.-June	YTD Total'92	YTD Total'91	% Change 1991-1992
METAL CUTTING MACHINE TOOLS						
Exports	$ 71.0	$ 69.7	$ 55.4	$ 372.1	$ 363.1	2.5%
Imports	$123.5	$105.3	$118.1	$ 828.1	$ 975.5	(15.1%)
Balance	($ 52.5)	($ 35.6)	($ 62.7)	($ 456.0)	($ 612.4)	(25.5%)
METAL FORMING MACHINE TOOLS						
Exports	$ 59.8	$ 45.5	$ 42.2	$ 305.5	$ 278.9	9.5%
Imports	$ 55.2	$ 36.8	$ 44.3	$ 307.2	$ 326.3	(5.9%)
Balance	$ 4.6	$ 8.7	($ 2.1)	($ 1.7)	($ 47.4)	(96.4%)
MACHINE TOOL TOTAL						
Exports	$130.7	$115.3	$ 97.6	$ 677.6	$ 642.0	5.5%
Imports	$178.6	$142.1	$162.4	$1,135.4	$1,301.8	(12.8%)
Balance	($ 47.9)	($ 26.8)	($ 64.8)	($ 457.8)	($ 659.8)	(30.6%)
NUMERICALLY CONTROLLED MACHINE TOOLS						
Exports	$ 45.1	$ 47.3	$ 32.4	$ 216.4	$ 195.7	10.6%
Imports	$ 96.4	$ 82.6	$ 84.8	$ 596.6	$ 706.1	(15.5%)
Balance	($ 51.3)	($ 35.3)	($ 52.4)	($ 380.2)	($ 510.4)	(25.5%)
OTHER MANUFACTURING TECHNOLOGY						
Exports	$152.1	$161.9	$157.7	$1,070.7	$ 983.9	8.8%
Imports	$160.8	$157.1	$162.9	$1,099.8	$1,202.6	(8.5%)
Balance	($ 8.7)	$ 4.8	($ 5.2)	($ 29.1)	($ 218.7)	(86.7%)

Note: Numerically controlled machine tools is a subgroup of the machine tool total. ( ) denotes negative. Individual items may not add up to totals due to rounding.

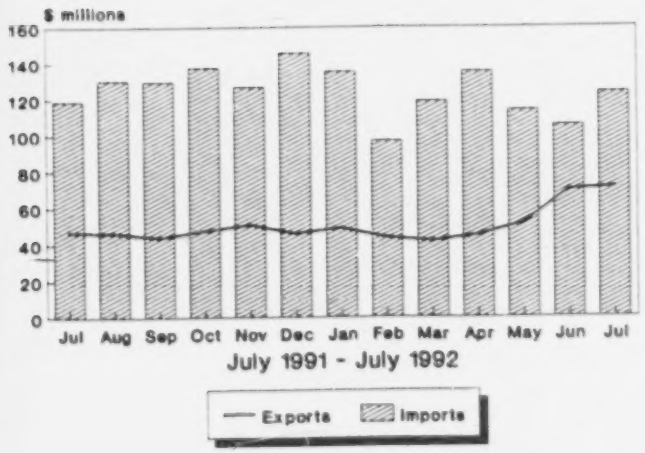
• Exports in July of $130.7 million are the highest monthly total ever; June's $115.3 million is the third highest all-time. Year-to-date exports are up 5.5% to $677.6 million.

• Mexico is the top U.S. machine tool export market in 1992 through July at $126.0 million. Exports to Mexico so far this year already exceed exports for all of 1991 ($124.9 million). Exports to South Korea in 1992 through July ($87.4 million) are very close to the total for all of 1991 ($93.2 million).

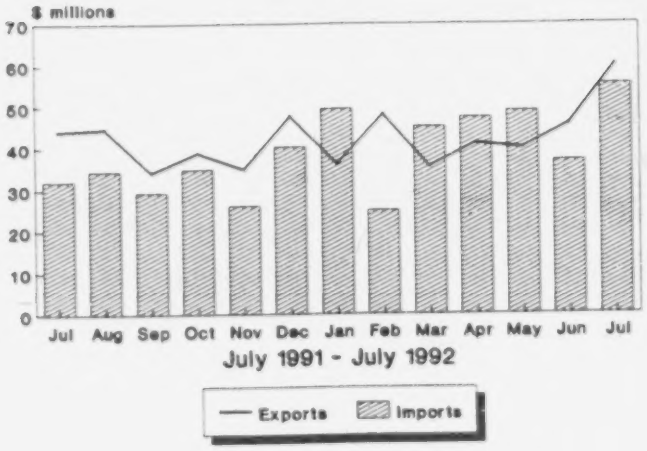
• Year-to-date machine tool imports are down 13% from last year at $1,135.4 million. Year-to-date imports from Japan are down 7%; imports from Germany are down 31%.

U.S. MONTHLY TRADE IN MACHINE TOOLS

METAL CUTTING



METAL FORMING



METAL CUTTING MACHINE TOOLS

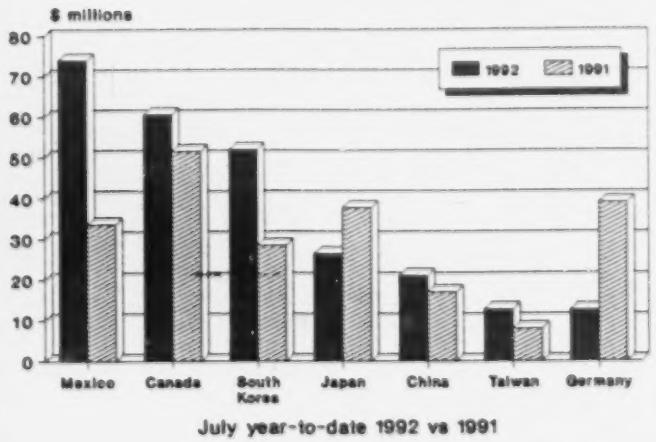
Exports

• Metal cutting exports in July rose slightly from June to $71.0 million. The June/July total is higher than any two-month period since mid-1981. Year-to-date metal cutting exports are up 2% over last year.

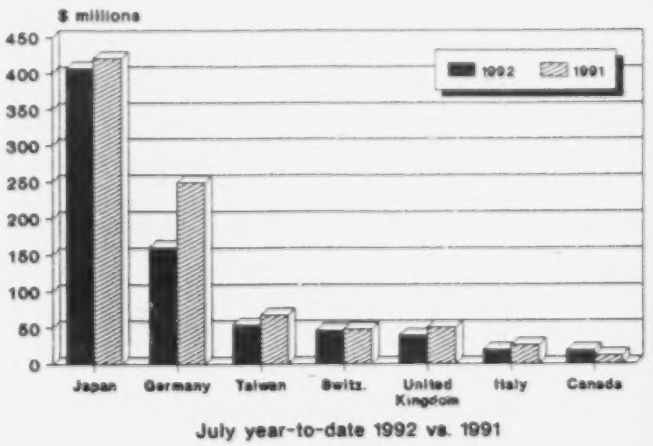
• Mexico was the top metal cutting export market in July at $24.2 million. Exports to Mexico in July included $9.6 million in transfer machines. Year-to-date exports to Mexico are up 120% over 1991 at this time.

• Exports of station type machines so far in 1992 are up 82% (in value terms) over last year; exports of milling machines are up 3%. Exports of boring machines are down 52%, and exports of grinding machines are down 9%.

LEADING U.S. EXPORT MARKETS
METAL CUTTING MACHINES



LEADING U.S. IMPORT SOURCES
METAL CUTTING MACHINES



Imports

• Imports of metal cutting machines rebounded in July to $123.5 million, up 17% from June. Year-to-date imports, however, are down 15% from last year at $828.1 million.

• Japan remains the top metal cutting imports supplier at $407.2 million in 1992 through July, down 3% from last year. Imports from Germany ($160.4 million) are down 36%; imports from Taiwan ($54.0 million) are down 20%.

• Imports in July included 302 machining centers, easily the highest monthly total so far in 1992. Year-to-date imports of machining centers are up 2% in unit terms and up 21% in value terms over 1991.

METAL FORMING MACHINE TOOLS

Exports

• Paced by $15.0 million to South Korea and $7.4 million to Mexico, metal forming exports jumped to $59.8 million in July, by far the highest monthly total ever. Year-to-date exports are up 10% over last year.

• Exports of bending or forming machines are up 30% (in value terms) over last year; exports of punching or shearing machines are up 13%. Exports of presses are up 36% to $66.7 million.

• Year-to-date metal forming exports are far higher this year than last to South Korea (up 111% to $35.5 million), Taiwan (up 100% to $10.5 million), Belgium (up 403% to $9.5 million), Venezuela (up 153% to $3.9 million), and Austria (up 201% to $1.0 million).

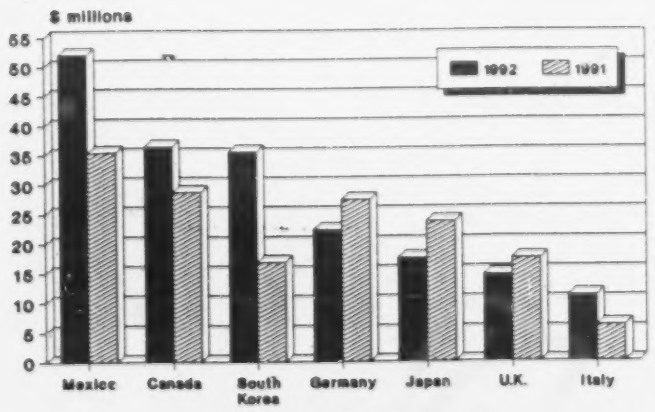
Imports

• Imports of metal forming machines jumped to $55.2 million in July, up 50% over June and the highest monthly total since December 1990. The big jump in July was largely due to a $19.2 million non-NC mechanical transfer press imported from Brazil.

• Year-to-date metal forming imports are down 6% from 1991 to $307.2 million, just $1.7 million more than year-to-date exports of metal forming machines.

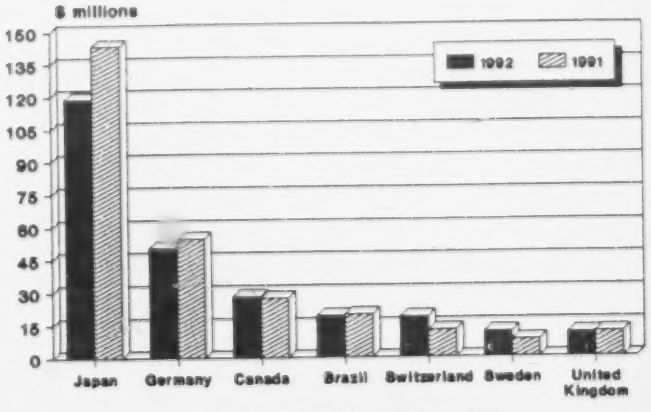
• Despite the big shipment from Brazil this month, year-to-date imports of presses are down 22% in value terms over last year. Imports of punching or shearing machines are up 45%.

LEADING U.S. EXPORT MARKETS
METAL FORMING MACHINES



July year-to-date 1992 vs. 1991

LEADING U.S. IMPORT SOURCES
METAL FORMING MACHINES



July year-to-date 1992 vs. 1991

OTHER MANUFACTURING TECHNOLOGY

Exports

• Exports of industrial robots totalled $4.8 million in July for a year-to-date total of $44.4 million. The comparable year-to-date figure for 1991 is $41.5 million.

• Exports of machines and appliances for testing metals are $34.8 million so far in 1992, down from $40.9 million last year.

Imports

• Year-to-date imports of industrial robots are $73.2 million, down almost 50% from last year. Imports of injection molding machinery so far this year are $220.7 million, up 16% over last year.

• Imports of laser, light or photon beam machines for working metal are $27.4 million in 1992 through July, up from $27.2 last year at this time. Year-to-date imports of numerical controls for controlling machine tools are $17.6 million in 1992, down from $19.6 million last year at this time.

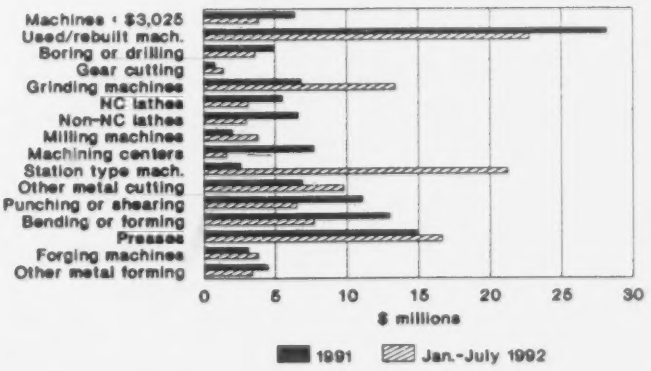
MONTHLY FOCUS

Although the global economy has been relatively sluggish over the last couple of years, it now seems possible, perhaps even likely, that U.S. machine tool exports in 1992 will break the record set last year and grow for the ninth straight year.

If this happens, much of the credit will go to Mexico. U.S. machine tool exports to Mexico in the first seven months of 1992 are up 83% over last year. By contrast, total U.S. merchandise exports to Mexico are up only 28% this year compared to 1991. Clearly, Mexican industry is investing heavily -- and, according to many analysts, will likely continue to do so no matter what the outcome of the U.S. presidential race and the immediate fate of the North American Free Trade Agreement. (NAFTA has yet to be ratified by Congress.)

The charts below detail U.S. machine tool exports to Mexico in 1991 and 1992 by type of machine.

U.S. Machine Tool Exports to Mexico
1991 vs. January-July 1992



Total for 1991: $124.9 million; total for Jan.-July 1992: $126.0 million.
Source: U.S. Bureau of the Census

1992 EXPORTS

METAL CUTTING

COUNTRY	JULY' 92	JUNE' 92	% CHANGE	JULY' 92 YTD	JULY' 91 YTD	% CHANGE
Mexico	$24,247,173	$17,144,591	41%	$73,977,142	$33,602,112	120%
Canada	5,392,563	8,287,392	-35%	60,541,797	51,483,253	18%
South Korea	5,849,040	24,738,200	-76%	51,908,916	28,405,481	83%
Japan	6,611,363	955,418	592%	26,298,774	37,587,602	-30%
China	2,979,536	1,514,526	97%	20,945,672	16,863,071	24%
Taiwan	1,279,622	1,223,752	5%	12,692,531	7,928,709	60%
Germany	2,190,847	1,703,472	29%	12,643,396	38,928,099	-68%
United Kingdom	1,606,758	1,617,312	-1%	12,380,402	17,402,796	-29%
France	8,514,877	321,611	2548%	12,345,416	10,540,483	17%
Italy	698,892	2,273,609	-69%	10,738,785	8,081,255	33%
Indonesia	932,759	1,009,083	-8%	7,329,800	4,455,891	64%
Singapore	1,437,229	98,657	1357%	6,657,528	5,156,464	29%
Brazil	189,650	543,868	-65%	5,009,683	8,412,852	-40%
India	13,800	472,186	-97%	4,464,051	9,104,081	-51%
Venezuela	650,638	662,845	-2%	4,087,496	7,218,881	-43%
Netherlands	363,988	293,915	24%	3,627,586	3,394,604	7%
Australia	1,056,314	728,253	45%	3,561,757	2,977,316	20%
Switzerland	231,988	151,199	53%	3,381,431	3,879,515	-13%
Thailand	394,900	766,760	-48%	2,563,376	1,695,643	51%
Spain	23,506	236,690	-90%	1,860,425	1,173,218	59%
Austria	0	0	NA	1,404,259	654,288	115%
Belgium	44,763	290,364	-85%	1,233,282	6,409,345	-81%
Malaysia	15,485	13,427	15%	503,120	2,485,003	-80%
USSR	0	0	NA	0	17,623,999	-100%

METAL FORMING

COUNTRY	JULY' 92	JUNE' 92	% CHANGE	JULY' 92 YTD	JULY' 91 YTD	% CHANGE
Mexico	$ 7,408,215	$12,271,890	-40%	$52,063,081	$35,428,042	47%
Canada	5,667,511	4,678,365	21%	36,411,043	28,593,757	27%
South Korea	15,017,960	5,999,470	150%	35,468,229	16,840,742	111%
Germany	2,613,058	3,338,304	-22%	22,263,054	27,327,267	-19%
Japan	2,088,226	2,901,425	-28%	17,482,744	23,699,187	-26%
United Kingdom	560,911	2,592,644	-78%	14,645,934	17,431,712	-16%
Italy	716,537	721,777	-1%	11,145,354	6,064,516	84%
France	2,328,120	495,337	370%	10,683,817	16,658,011	-36%
Taiwan	1,858,053	1,864,698	0%	10,505,824	5,265,586	100%
China	2,141,821	82,730	2489%	9,823,733	18,307,222	-46%
Belgium	1,076,088	1,003,538	7%	9,477,141	1,884,644	403%
Singapore	1,143,575	648,168	76%	6,867,850	4,220,035	63%
Brazil	1,032,892	1,242,238	-17%	6,443,726	4,068,933	58%
Thailand	35,693	308,551	-88%	5,010,500	6,352,914	-21%
Indonesia	2,798,393	398,537	602%	3,997,513	3,456,499	16%
Venezuela	766,235	758,124	1%	3,871,091	1,527,964	153%
Netherlands	51,469	524,757	-90%	2,526,077	7,733,103	-67%
Australia	195,726	1,136,341	-83%	2,251,006	2,693,478	-16%
Switzerland	58,181	46,726	25%	1,652,761	1,435,178	15%
Malaysia	10,750	328,800	-97%	1,354,022	860,124	57%
Spain	218,363	31,198	600%	1,307,167	3,636,371	-64%
Austria	0	0	NA	975,387	324,289	201%
India	87,605	108,536	-19%	791,041	819,590	-3%
USSR	0	0	NA	243,542	122,884	98%

MACHINE TOOL TOTAL

COUNTRY	JULY' 92	JUNE' 92	% CHANGE	JULY' 92 YTD	JULY' 91 YTD	% CHANGE
Mexico	$31,655,388	$29,416,481	8%	$126,040,223	$69,030,154	83%
Canada	11,060,074	12,965,757	-15%	96,952,840	80,077,010	21%
South Korea	20,867,000	30,737,670	-32%	87,377,145	45,246,223	93%
Japan	8,699,589	3,856,843	126%	43,781,518	61,286,789	-29%
Germany	4,803,905	5,041,776	-5%	34,906,450	66,255,366	-47%
China	5,121,357	1,597,256	221%	30,769,405	35,170,293	-13%
United Kingdom	2,167,669	4,209,956	-49%	27,026,336	34,834,508	-22%
Taiwan	3,137,675	3,088,450	2%	23,198,355	13,194,295	76%
France	10,842,997	816,948	1227%	23,029,233	27,198,494	-15%
Italy	1,415,429	2,995,386	-53%	21,884,139	14,145,771	55%
Singapore	2,580,804	746,825	246%	13,525,378	9,376,499	44%
Brazil	1,222,542	1,786,106	-32%	11,453,409	12,481,785	-8%
Indonesia	3,731,152	1,407,620	165%	11,327,313	7,912,390	43%
Belgium	1,120,851	1,293,902	-13%	10,710,423	8,293,989	29%
Venezuela	1,416,873	1,420,969	0%	7,958,587	8,746,845	-9%
Thailand	430,593	1,075,311	-60%	7,573,876	8,048,557	-6%
Netherlands	415,457	818,672	-49%	6,153,663	11,127,707	-45%
Australia	1,252,040	1,864,594	-33%	5,812,763	5,670,794	3%
India	101,405	580,722	-83%	5,255,092	9,923,671	-47%
Switzerland	290,169	197,925	47%	5,034,192	5,314,693	-5%
Spain	241,869	267,888	-10%	3,167,592	4,809,589	-34%
Austria	0	0	NA	2,379,646	978,577	143%
Malaysia	26,235	342,227	-92%	1,857,142	3,345,127	-44%
USSR	0	0	NA	243,542	17,746,883	-99%

1992 IMPORTS

METAL CUTTING

COUNTRY	JULY'92	JUNE'92	% CHANGE	JULY'92 YTD	JULY'91 YTD	% CHANGE
Japan	$65,627,824	$45,985,982	43%	$407,201,668	$421,080,968	-3%
Germany	15,522,303	24,214,385	-36%	160,413,750	249,442,443	-36%
Taiwan	9,622,961	7,944,438	21%	53,965,864	67,161,491	-20%
Switzerland	5,780,030	6,643,373	-13%	45,931,825	48,032,891	-4%
United Kingdom	6,801,923	3,660,308	86%	39,368,688	50,066,854	-21%
Italy	4,225,418	3,415,670	24%	19,786,295	26,321,001	-25%
Canada	3,519,043	3,500,788	1%	19,052,991	11,453,255	66%
South Korea	3,756,387	765,592	391%	13,337,999	11,155,720	20%
Spain	344,954	1,665,708	-79%	9,995,173	12,154,267	-18%
Singapore	1,130,104	1,159,468	-3%	9,878,783	6,621,154	49%
France	1,318,171	862,384	53%	6,014,320	12,056,444	-50%
Sweden	272,476	743,117	-63%	4,248,130	12,931,759	-67%
Brazil	559,254	361,150	55%	3,838,805	5,415,807	-29%
Belgium	145,027	160,970	-10%	500,099	1,684,557	-70%

METAL FORMING

COUNTRY	JULY'92	JUNE'92	% CHANGE	JULY'92 YTD	JULY'91 YTD	% CHANGE
Japan	$7,994,639	$13,363,072	-40%	$119,014,652	$143,349,725	-17%
Germany	6,531,849	7,962,668	-18%	50,564,679	54,433,077	-7%
Canada	4,279,044	3,706,525	15%	28,056,140	27,300,847	3%
Brazil	19,166,374	0	NA	19,175,425	19,740,871	-3%
Switzerland	4,718,474	4,347,333	9%	18,740,406	12,467,998	50%
Sweden	6,021,218	536,606	1022%	11,596,757	7,840,820	48%
United Kingdom	808,579	2,543,013	-68%	11,127,254	11,453,054	-3%
Italy	1,926,699	1,047,112	84%	8,911,888	21,546,213	-59%
Belgium	995,706	566,854	76%	5,286,475	5,299,975	0%
Taiwan	585,222	479,880	22%	4,264,265	4,169,713	2%
France	305,820	133,016	130%	3,728,429	1,254,389	197%
Spain	155,070	341,246	-55%	1,725,004	2,061,402	-16%
South Korea	85,737	97,585	-12%	1,713,392	512,235	234%
Singapore	0	3,750	-100%	15,250	300,254	-95%

MACHINE TOOL TOTAL

COUNTRY	JULY'92	JUNE'92	% CHANGE	JULY'92 YTD	JULY'91 YTD	% CHANGE
Japan	$73,622,463	$59,349,054	24%	$526,216,320	$564,430,693	-7%
Germany	22,054,152	32,177,053	-31%	210,978,429	303,875,520	-31%
Switzerland	10,498,504	10,990,706	-4%	64,672,231	60,500,889	7%
Taiwan	10,208,183	8,424,318	21%	58,230,129	71,331,204	-18%
United Kingdom	7,610,502	6,203,321	23%	50,495,942	61,519,908	-18%
Canada	7,798,087	7,207,313	8%	47,109,131	38,754,102	22%
Italy	6,152,117	4,462,782	38%	28,698,183	47,867,214	-40%
Brazil	19,725,628	361,150	5362%	23,014,230	25,156,678	-9%
Sweden	6,293,694	1,279,723	392%	15,844,887	20,772,579	-24%
South Korea	3,842,124	863,177	345%	15,051,391	11,667,955	29%
Spain	500,024	2,006,954	-75%	11,720,177	14,215,669	-18%
Singapore	1,130,104	1,163,218	-3%	9,894,033	6,921,408	43%
France	1,623,991	995,400	63%	9,742,749	13,310,833	-27%
Belgium	1,140,733	727,824	57%	5,786,574	6,984,532	-17%

1992 U.S. EXPORTS BY PRODUCT GROUPS

PRODUCT TYPES	JANUARY 1992		FEBRUARY 1992		MARCH 1992		APRIL 1992	
	Units	Value	Units	Value	Units	Value	Units	Value
Used & rebuilt & under $3,025	5,316	$11,265,820	5,422	$19,598,877	6,557	$15,515,671	6,715	$16,608,085
Boring machines	4	111,194	13	355,020	22	1,051,530	5	982,348
Drilling machines	46	2,480,904	77	1,808,417	144	1,028,066	50	610,942
Gear cutting machines	16	2,952,428	14	3,352,752	11	1,838,305	21	3,859,988
Grinding machines	296	11,067,320	248	6,487,757	298	7,112,597	195	6,333,052
NC horizontal lathes	22	4,786,634	16	2,123,339	22	2,483,249	21	3,845,252
NC vertical lathes	1	170,620	7	1,895,200	3	314,112	4	820,590
Non-NC lathes	44	3,333,427	36	1,234,899	39	866,194	28	775,663
Milling machines	35	6,163,478	43	5,628,228	43	4,140,783	46	2,783,629
Machining centers	18	4,153,920	43	2,912,384	26	3,823,849	20	4,144,535
Station type machines	2	689,332	24	3,705,541	5	6,212,800	5	679,025
Other metal cutting machines	191	5,028,354	261	7,372,840	260	5,534,794	296	7,665,317
Punching or shearing machines	75	2,962,166	120	6,014,865	92	4,643,641	135	4,669,531
Bending or forming machines	154	5,495,473	156	8,763,283	161	6,961,257	151	6,267,058
Presses	98	7,968,219	112	6,395,734	96	6,397,621	127	11,367,450
Forging machines	18	4,823,312	20	1,352,893	11	1,504,192	24	3,767,744
Other metal forming machines	221	11,490,938	324	12,788,805	320	7,847,518	198	10,936,704
MACHINE TOOL TOTAL	6,557	84,943,539	6,936	91,790,834	8,110	77,776,179	8,041	86,116,913

PRODUCT TYPES	MAY 1992		JUNE 1992		JULY 1992		JULY'92 YTD	
	Units	Value	Units	Value	Units	Value	Units	Value
Used & rebuilt & under $3,025	5,675	$14,631,339	7,613	$17,942,457	6,106	$17,114,067	43,404	$112,676,316
Boring machines	8	625,445	4	183,049	6	1,144,203	62	4,452,789
Drilling machines	37	404,865	140	1,080,214	75	2,221,868	569	9,635,276
Gear cutting machines	18	4,893,063	16	2,631,313	11	3,986,733	107	23,514,582
Grinding machines	316	8,690,095	237	10,271,795	268	13,152,135	1,858	63,114,751
NC horizontal lathes	21	3,217,185	16	1,788,225	17	2,078,082	135	20,321,966
NC vertical lathes	0	0	0	0	0	0	15	3,200,522
Non-NC lathes	60	1,894,668	42	2,369,310	43	1,495,996	292	11,970,157
Milling machines	28	1,384,138	34	2,820,657	37	4,004,067	266	26,924,980
Machining centers	28	2,886,287	12	2,796,111	35	4,945,439	182	25,662,525
Station type machines	18	12,100,629	23	25,613,289	94	18,920,748	171	67,921,364
Other metal cutting machines	348	6,377,535	249	6,892,759	253	9,787,895	1,858	48,659,494
Punching or shearing machines	145	7,422,484	154	6,325,240	144	4,077,047	865	36,114,974
Bending or forming machines	161	8,033,223	119	4,219,304	161	17,545,706	1,063	57,285,304
Presses	194	8,034,806	312	14,367,534	114	12,125,622	1,053	66,656,986
Forging machines	18	1,845,378	43	7,155,512	42	6,268,849	176	26,717,880
Other metal forming machines	155	8,986,110	271	8,809,407	168	11,874,033	1,657	72,733,515
MACHINE TOOL TOTAL	7,230	91,427,250	9,285	115,266,176	7,574	130,742,490	53,733	677,563,381

1992 U.S. EXPORTS BY PRODUCT GROUPS

PRODUCT TYPES	JULY 1991 Units	JULY 1991 Value	JULY'91 YTD Units	JULY'91 YTD Value	% CHANGE JUNE'92–JULY'92 Units	% CHANGE JUNE'92–JULY'92 Value	% CHANGE JULY'91–JULY'92 Units	% CHANGE JULY'91–JULY'92 Value
Used & rebuilt & under $3,025	5,909	$16,595,564	40,326	$96,447,800	-19.8%	-4.6%	3.3%	3.1%
Boring machines	53	1,485,134	124	9,289,592	50.0%	525.1%	-88.7%	-23.0%
Drilling machines	182	2,218,922	813	14,419,112	-46.4%	105.7%	-58.8%	0.1%
Gear cutting machines	11	4,027,477	167	42,923,518	-31.3%	51.5%	0.0%	-1.0%
Grinding machines	398	11,576,263	2,177	69,540,706	13.1%	28.0%	-32.7%	13.6%
NC horizontal lathes	26	2,567,207	185	20,414,780	6.3%	16.2%	-34.6%	-19.1%
NC vertical lathes	4	269,504	25	1,933,734	NA	NA	-100.0%	-100.0%
Non-NC lathes	27	407,865	302	8,430,361	2.4%	-36.9%	59.3%	266.8%
Milling machines	57	3,124,857	326	26,052,117	8.8%	42.0%	-35.1%	28.1%
Machining centers	26	3,139,607	186	30,370,637	191.7%	76.9%	34.6%	57.5%
Station type machines	5	4,718,427	35	37,306,825	308.7%	-26.1%	1780.0%	301.0%
Other metal cutting machines	198	4,100,231	1,901	49,449,085	1.6%	42.0%	27.8%	138.7%
Punching or shearing machines	132	3,568,471	801	31,973,713	-6.5%	-35.5%	9.1%	14.3%
Bending or forming machines	169	6,262,244	991	43,929,488	35.3%	315.8%	-4.7%	180.2%
Presses	199	11,252,200	1,190	49,167,087	-63.5%	-15.6%	-42.7%	7.8%
Forging machines	57	8,447,700	199	31,156,915	-2.3%	-12.4%	-26.3%	-25.8%
Other metal forming machines	225	6,748,375	1,599	79,163,308	-38.0%	34.8%	-25.3%	76.0%
MACHINE TOOL TOTAL	7,678	90,510,048	51,347	641,968,778	-18.4%	13.4%	-1.4%	44.5%

PRODUCT TYPES	% CHANGE YTD'91–YTD'92 Units	% CHANGE YTD'91–YTD'92 Value
Used & rebuilt & under $3,025	7.6%	16.8%
Boring machines	-50.0%	-52.1%
Drilling machines	-30.0%	-33.2%
Gear cutting machines	-35.9%	-45.2%
Grinding machines	-14.7%	-9.2%
NC horizontal lathes	-27.0%	-0.5%
NC vertical lathes	-40.0%	65.5%
Non-NC lathes	-3.3%	42.0%
Milling machines	-18.4%	3.4%
Machining centers	-2.2%	-15.5%
Station type machines	388.6%	82.1%
Other metal cutting machines	-2.3%	-1.6%
Punching or shearing machines	8.0%	13.0%
Bending or forming machines	7.3%	30.4%
Presses	-11.5%	35.6%
Forging machines	-11.6%	-14.2%
Other metal forming machines	3.6%	-8.1%
MACHINE TOOL TOTAL	4.6%	5.5%

1992 U.S. IMPORTS BY PRODUCT GROUPS

PRODUCT TYPES	JANUARY 1992		FEBRUARY 1992		MARCH 1992		APRIL 1992	
	Units	Value	Units	Value	Units	Value	Units	Value
Used & rebuilt & under $3,025	94,127	$12,280,602	81,661	$11,946,493	71,929	$14,045,979	84,774	$11,587,883
Boring machines	25	3,463,952	36	989,787	45	3,737,653	26	4,588,124
Drilling machines	97	4,705,463	104	2,226,497	36	2,753,876	62	3,198,537
Gear cutting machines	37	6,172,007	4	649,747	23	1,307,398	26	6,552,810
Grinding machines	512	27,479,836	361	11,708,165	475	16,761,975	471	16,109,963
NC horizontal lathes	153	15,234,824	285	26,313,185	235	23,072,156	195	17,708,086
NC vertical lathes	16	1,194,631	4	987,274	18	4,031,865	9	3,892,886
Non-NC lathes	207	3,386,097	249	4,832,824	242	4,680,480	363	4,759,828
Milling machines	138	4,406,171	198	2,995,701	244	3,330,393	154	5,797,535
Machining centers	200	22,852,787	215	23,855,068	227	27,699,714	201	45,488,842
Station type machines	18	19,481,908	12	2,219,038	9	1,337,261	11	2,415,601
Other metal cutting machines	280	16,298,473	264	10,069,462	284	18,240,822	278	15,889,936
Punching & shearing machines	100	7,476,279	99	5,200,811	75	5,203,477	144	8,147,610
Bending & forming machines	151	11,974,223	125	4,205,804	147	6,328,325	151	6,424,005
Presses	101	15,951,346	598	3,793,878	364	7,021,117	36[illegible]	8,270,967
Forging machines	104	2,006,697	166	1,340,569	45	17,634,877	133	13,299,820
Other metal forming machines	151	10,016,946	125	8,391,681	228	6,298,417	187	8,374,858
MACHINE TOOL TOTAL	96,417	184,382,242	84,506	121,725,984	74,626	163,485,785	87,546	182,507,291

PRODUCT TYPES	MAY 1992		JUNE 1992		JULY 1992		JULY'92 YTD	
	Units	Value	Units	Value	Units	Value	Units	Value
Used & rebuilt & under $3,025	79,166	$18,808,253	62,688	$11,861,015	80,432	$15,643,300	554,777	$96,173,525
Boring machines	24	943,461	48	1,969,225	73	3,669,615	277	19,361,817
Drilling machines	49	1,295,026	46	1,642,707	35	1,657,299	429	17,479,405
Gear cutting machines	16	3,349,701	6	1,049,835	17	931,939	129	20,013,437
Grinding machines	386	17,789,460	357	13,207,642	533	18,414,759	3,095	121,471,800
NC horizontal lathes	214	20,593,605	184	17,975,797	262	25,382,351	1,528	146,280,004
NC vertical lathes	2	581,745	18	2,711,922	8	1,172,105	75	14,572,428
Non-NC lathes	318	5,138,132	245	4,098,627	333	6,751,773	1,957	33,647,761
Milling machines	214	5,538,178	258	5,225,691	170	4,721,310	1,376	32,014,979
Machining centers	176	21,438,242	200	35,529,123	302	35,165,802	1,521	212,029,578
Station type machines	18	10,511,806	9	1,906,874	6	1,702,626	83	39,575,114
Other metal cutting machines	297	10,768,201	228	10,155,951	262	11,814,123	1,893	93,236,968
Punching or shearing machines	85	10,178,018	86	6,545,270	78	4,765,426	667	47,516,891
Bending or forming machines	149	4,929,111	144	12,298,846	145	6,900,652	1,012	53,060,966
Presses	209	9,501,579	99	3,885,875	1,668	34,536,221	3,400	82,960,983
Forging machines	62	16,348,004	51	3,534,620	47	2,916,354	608	57,080,941
Other metal forming machines	116	4,791,201	194	8,541,571	127	2,488,805	1,128	48,903,479
MACHINE TOOL TOTAL	81,501	162,503,723	64,861	142,140,591	84,498	178,634,460	573,955	1,135,380,076

1992 U.S. IMPORTS BY PRODUCT GROUPS

PRODUCT TYPES	JULY 1991 Units	JULY 1991 Value	JULY'91 YTD Units	JULY'91 YTD Value	% CHANGE JUNE'92–JULY'92 Units	% CHANGE JUNE'92–JULY'92 Value	% CHANGE JULY'91–JULY'92 Units	% CHANGE JULY'91–JULY'92 Value
Used & rebuilt & under $3,025	55,148	$13,352,862	498,694	$98,758,788	28%	32%	46%	17%
Boring machines	51	3,685,439	401	32,804,299	52%	86%	43%	0%
Drilling machines	73	2,839,334	718	29,088,679	-24%	1%	-52%	-42%
Gear cutting machines	32	3,543,870	288	33,811,658	183%	-11%	-47%	-74%
Grinding machines	470	19,241,316	3,542	135,337,302	49%	39%	13%	-4%
NC horizontal lathes	199	18,351,920	1,525	156,478,284	42%	41%	32%	38%
NC vertical lathes	10	2,266,809	66	14,502,146	-56%	-57%	-20%	-48%
Non-NC lathes	555	6,940,660	3,090	50,990,570	36%	65%	-40%	-3%
Milling machines	374	6,736,063	2,214	49,164,677	-34%	-10%	-55%	-30%
Machining centers	249	23,528,172	1,489	174,831,463	51%	-1%	21%	49%
Station type machines	8	8,078,447	99	123,462,233	-33%	-11%	-25%	-79%
Other metal cutting machines	295	12,031,520	2,089	97,170,828	15%	16%	-11%	-2%
Punching or shearing machines	106	5,805,391	611	32,842,887	-9%	-27%	-26%	-18%
Bending or forming machines	156	7,413,619	1,051	48,306,320	1%	-44%	-7%	-7%
Presses	102	5,129,418	1,171	106,431,746	1585%	789%	1535%	573%
Forging machines	35	1,841,002	457	33,844,972	-8%	-17%	34%	58%
Other metal forming machines	194	9,644,967	1,582	83,984,810	-35%	-71%	-35%	-74%
MACHINE TOOL TOTAL	58,057	150,430,809	519,087	1,301,811,662	30%	26%	46%	19%

PRODUCT TYPES	% CHANGE YTD'91–YTD'92 Units	% CHANGE YTD'91–YTD'92 Value
Used & rebuilt & under $3,025	11%	-3%
Boring machines	-31%	-41%
Drilling machines	-40%	-40%
Gear cutting machines	-55%	-41%
Grinding machines	-13%	-10%
NC horizontal lathes	0%	-7%
NC vertical lathes	14%	0%
Non-NC lathes	-37%	-34%
Milling machines	-38%	-35%
Machining centers	2%	21%
Station type machines	-16%	-68%
Other metal cutting machines	-9%	-4%
Punching or shearing machines	9%	45%
Bending or forming machines	-4%	10%
Presses	190%	-22%
Forging machines	33%	69%
Other metal forming machines	-29%	-42%
MACHINE TOOL TOTAL	11%	-13%

U.S. EXPORTS

Metal Cutting Machine Tools - July 92

RELEASED: September 30, 1992

		TOTAL YTD		TOTAL MO.	
		UNITS	$000	UNITS	$000
8456300000	Electro-discharge machines	101	8456	12	1545
8457100015	Vert. mach. ctrs., ATC, Y-axis travel not over 660mm (26")	41	5363	11	1843
100025	Vert. mach. ctrs., ATC, Y-axis travel over 660mm (26")	13	3097	1	275
100035	Horizontal machining centers, ATC	14	3738	0	0
100045	Machining centers, n.e.c.	114	13464	23	2827
200010	Unit construction mach. (single station transfer), NC	7	2745	2	1189
200090	Unit construction mach. (single station transfer), non-NC	8	5850	0	0
300010	Multi-station transfer machines, NC	27	32592	8	4752
300090	Multi-station transfer machines, non-NC	117	25714	83	12879
8458110010	Horizontal lathes, multiple spindle, NC	42	4038	7	694
110030	Horiz. lathes, power rating under 18.65 kW (25 HP), NC	52	6703	6	515
110050	Horiz. lathes, power rating 18.65-37.3 kW (25-50 HP), NC	20	4425	0	0
110090	Horiz. lathes, power rating over 37.3 kW (50 HP), NC	21	5156	4	870
190030	Horizontal engine or toolroom lathes, non-NC	26	585	4	56
190050	Automatic bar and/or chucking mach., single spindle, non-NC	8	214	3	16
190070	Automatic bar and/or chucking mach., mult. spindle, non-NC	57	3048	0	0
190090	Horizontal lathes, n.e.c., non-NC	143	2660	23	572
911060	Vertical turret lathes, multiple spindle, NC	1	84	0	0
911080	Vertical turret lathes, n.e.c., NC	4	855	0	0
915050	Vertical lathes, excl. VTL's, multiple spindle, NC	0	0	0	0
915070	Vertical lathes, excluding VTL's, n.e.c., NC	10	2261	0	0
991050	Vertical turret lathes, non-NC	11	662	2	137
995090	Vertical lathes, n.e.c., excl. VTL's, non-NC	47	4801	11	715
8459100000	Way-type unit head machines	12	1021	1	100
210080	Other drilling machines, NC	83	5698	40	1481
290040	Drilling machines, multiple spindle, non-NC	6	185	0	0
290050	Drilling machines, radial, non-NC	12	135	1	5
290070	Drilling, upright, ex. sensitive, turret & deep hole, non-NC	16	873	9	528
290090	Drilling machines, n.e.c., non-NC	452	2745	25	208
310010	Boring-milling mach., horiz. spind., table, excl. planer, NC	0	0	0	0
310040	Boring-milling mach., horiz. spindle, n.e.c., NC	0	0	0	0
310070	Boring-milling machines, n.e.c., NC	13	834	0	0
390040	Boring-milling mach., horiz. spindle, n.e.c., non-NC	0	0	0	0
390050	Boring-milling mach., excl. horiz. spindle, n.e.c., non-NC	19	424	2	12
400040	Boring machines, vertical, NC	1	680	1	680
400050	Boring machines, vertical, non-NC	15	1087	0	0
400070	Boring machines, n.e.c., NC	2	271	0	0
400080	Boring machines, n.e.c., non-NC	12	1157	3	453
510080	Milling machines, knee type, NC	5	1626	0	0
590030	Milling machines, knee type, non-NC	121	4616	16	670
610080	Milling machines, excluding knee type, n.e.c., NC	39	15208	4	3109
690050	Milling machines, profile, dup., or die sinking, non-NC	12	689	3	20
690070	Milling machines, bed type, non-NC	2	53	0	0
690090	Milling machines, n.e.c., non-NC	87	4734	14	206
700020	Threading or tapping machines, n.e.c., NC	10	1321	2	663
700080	Threading or tapping machines, n.e.c., non-NC	137	1774	8	126
8460110080	Flat surface grinding machines, NC	53	2604	12	1052
190010	Flat surface grinding mach., recip.-table type, non-NC	14	155	4	40
190050	Flat surface grinding machines, n.e.c., non-NC	42	6009	4	662
210080	Grinding mach., of an accuracy at least 0.01mm, n.e.c., NC	58	18504	20	7384
290010	Grinding mach., external cylindrical, (incl. univ.), non-NC	10	2857	0	0
290030	Grinding machines, internal cylindrical, non-NC	47	3529	1	23
290050	Grinding mach., of accuracy at least 0.01mm, n.e.c., non-NC	157	8697	27	1153
310080	Sharpening machines (tool & cutter grinding), NC	38	1669	3	81
390050	Sharpening machines (tool & cutter grinding), non-NC	266	2314	31	361
400060	Honing or lapping machines, NC	-1	44	0	0
400080	Honing or lapping machines, non-NC	292	3988	40	729
900060	Grinding, honing, polishing, & lapping mach., n.e.c., NC	11	2226	1	39
900080	Grinding, honing, polishing, & lapping mach., n.e.c., non-NC	869	10519	125	1629
8461100060	Planing machines, NC	5	1807	2	55
100080	Planing machines, non-NC	90	2546	19	615
200010	Shaping or slotting machines, NC	18	1536	5	1084
200090	Shaping or slotting machines, non-NC	21	333	4	35
300060	Broaching machines, NC	93	7214	43	2903
300080	Broaching machines, non-NC	13	1435	1	162
401050	Gear hobbers	18	3930	9	2849
401070	Gear shapers	11	1079	0	0
401090	Gear cutting machines, n.e.c.	56	15078	2	1138
405060	Gear grinding or finishing machines	22	3428	0	0
500050	Sawing or cutting-off machines, NC	44	1939	10	217
500090	Sawing or cutting-off machines, non-NC	643	8561	61	944
9000000001	Metal cutting machine tools, n.e.c.	683	11740	86	1439
9800000001	Used or rebuilt machine tools	4944	53002	624	7302
9900000001	Machine tools valued at less than $3,025	28267	13683	3949	1925
	Cutting Total			5412	70964
	Y-T-D Cutting Total	38726	372063		
	NC Y-T-D Cutting Total*	993	158030		

Please see notes on last page of the metal forming section.

U.S. EXPORTS
Metal Cutting Machine Tools - July 92

	Australia		Austria		Belgium		Brazil		Canada	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8456300000	0	0	0	0	0	0	0	0	3	128
8457100015	0	0	0	0	0	0	0	0	0	0
100025	0	0	0	0	0	0	0	0	1	275
100035	0	0	0	0	0	0	0	0	0	0
100045	0	0	0	0	0	0	0	0	5	461
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300010	0	0	0	0	0	0	0	0	0	0
300090	0	0	0	0	0	0	0	0	0	0
8458110010	0	0	0	0	0	0	0	0	4	466
110030	0	0	0	0	0	0	0	0	0	0
110050	0	0	0	0	0	0	0	0	0	0
110090	0	0	0	0	0	0	0	0	1	125
190030	0	0	0	0	0	0	0	0	0	0
190050	0	0	0	0	0	0	0	0	2	7
190070	0	0	0	0	0	0	0	0	0	0
190090	7	81	0	0	0	0	4	50	0	0
911060	0	0	0	0	0	0	0	0	0	0
911080	0	0	0	0	0	0	0	0	0	0
915050	0	0	0	0	0	0	0	0	0	0
915070	0	0	0	0	0	0	0	0	0	0
991050	0	0	0	0	0	0	0	0	2	137
995090	0	0	0	0	0	0	0	0	1	44
8459100000	0	0	0	0	0	0	0	0	0	0
210080	0	0	0	0	0	0	0	0	0	0
290040	0	0	0	0	0	0	0	0	0	0
290050	0	0	0	0	0	0	0	0	0	0
290070	2	24	0	0	0	0	0	0	0	0
290090	0	0	0	0	0	0	0	0	14	150
310010	0	0	0	0	0	0	0	0	0	0
310040	0	0	0	0	0	0	0	0	0	0
310070	0	0	0	0	0	0	0	0	0	0
390040	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	0	0	0	0	0	0
400040	0	0	0	0	0	0	0	0	0	0
400050	0	0	0	0	0	0	0	0	0	0
400070	0	0	0	0	0	0	0	0	0	0
400080	0	0	0	0	0	0	0	0	1	102
510080	0	0	0	0	0	0	0	0	0	0
590030	4	98	0	0	0	0	0	0	1	181
610080	1	736	0	0	0	0	0	0	0	0
690050	0	0	0	0	0	0	0	0	3	20
690070	0	0	0	0	0	0	0	0	0	0
690090	0	0	0	0	0	0	0	0	0	0
700020	0	0	0	0	0	0	0	0	0	0
700080	0	0	0	0	0	0	0	0	3	23
8460110080	0	0	0	0	0	0	0	0	1	24
190010	0	0	0	0	0	0	0	0	1	7
190050	0	0	0	0	0	0	0	0	0	0
210080	0	0	0	0	0	0	0	0	2	978
290010	0	0	0	0	0	0	0	0	0	0
290030	0	0	0	0	0	0	0	0	0	0
290050	0	0	0	0	0	0	0	0	2	67
310080	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	0	0	0	0	10	160
400060	0	0	0	0	0	0	0	0	0	0
400080	0	0	0	0	1	5	0	0	3	64
900060	0	0	0	0	0	0	0	0	0	0
900080	0	0	0	0	0	0	0	0	25	215
8461100060	0	0	0	0	0	0	0	0	0	0
100080	0	0	0	0	0	0	0	0	1	308
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	2	16
300060	0	0	0	0	0	0	0	0	0	0
300080	0	0	0	0	0	0	0	0	0	0
401050	0	0	0	0	0	0	0	0	0	0
401070	0	0	0	0	0	0	0	0	0	0
401090	0	0	0	0	0	0	0	0	0	0
405060	0	0	0	0	0	0	0	0	0	0
500050	0	0	0	0	0	0	0	0	9	202
500090	3	41	0	0	0	0	0	0	8	105
9000000001	0	0	0	0	0	0	12	140	27	215
9800000001	4	11	0	0	0	0	0	0	64	674
9900000001	106	65	0	0	61	39	0	0	224	239
Month Tot	127	1056	0	0	62	45	16	190	420	5393
Y-T-D Tot	571	3562	25	1404	254	1233	332	5010	4046	60542
NC YTD Tot*	9	1424	5	1337	5	487	21	2348	192	24924

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	China		France		Germany **		India		Indonesia	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8456300000	0	0	0	0	1	931	0	0	0	0
8457100015	0	0	0	0	3	411	0	0	0	0
100025	0	0	0	0	0	0	0	0	0	0
100035	0	0	0	0	0	0	0	0	0	0
100045	0	0	0	0	0	0	0	0	0	0
200010	1	997	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300010	0	0	0	0	0	0	0	0	0	0
300090	0	0	66	7099	0	0	0	0	1	933
8458110010	0	0	0	0	0	0	0	0	0	0
110030	1	99	1	105	0	0	0	0	0	0
110050	0	0	0	0	0	0	0	0	0	0
110090	0	0	0	0	0	0	0	0	0	0
190030	0	0	0	0	0	0	0	0	0	0
190050	0	0	0	0	0	0	0	0	0	0
190070	0	0	0	0	0	0	0	0	0	0
190090	0	0	0	0	2	10	0	0	0	0
911060	0	0	0	0	0	0	0	0	0	0
911080	0	0	0	0	0	0	0	0	0	0
915050	0	0	0	0	0	0	0	0	0	0
915070	0	0	0	0	0	0	0	0	0	0
991050	0	0	0	0	0	0	0	0	0	0
995090	0	0	0	0	0	0	0	0	0	0
8459100000	1	100	0	0	0	0	0	0	0	0
210080	0	0	0	0	5	299	0	0	0	0
290040	0	0	0	0	0	0	0	0	0	0
290050	0	0	0	0	0	0	0	0	0	0
290070	0	0	0	0	0	0	0	0	0	0
290090	0	0	0	0	0	0	0	0	0	0
310010	0	0	0	0	0	0	0	0	0	0
310040	0	0	0	0	0	0	0	0	0	0
310070	0	0	0	0	0	0	0	0	0	0
390040	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	1	6	0	0	0	0
400040	0	0	0	0	0	0	0	0	0	0
400050	0	0	0	0	0	0	0	0	0	0
400070	0	0	0	0	0	0	0	0	0	0
400080	0	0	0	0	0	0	0	0	0	0
510080	0	0	0	0	0	0	0	0	0	0
590030	0	0	0	0	0	0	0	0	0	0
610080	0	0	1	593	0	0	0	0	0	0
690050	0	0	0	0	0	0	0	0	0	0
690070	0	0	0	0	0	0	0	0	0	0
690090	0	0	0	0	0	0	0	0	0	0
700020	2	663	0	0	0	0	0	0	0	0
700080	0	0	0	0	0	0	0	0	0	0
8460110080	3	735	0	0	0	0	0	0	0	0
190010	0	0	0	0	0	0	0	0	0	0
190050	0	0	0	0	0	0	0	0	0	0
210080	0	0	0	0	0	0	0	0	0	0
290010	0	0	0	0	0	0	0	0	0	0
290030	0	0	0	0	1	23	0	0	0	0
290050	0	0	2	669	0	0	0	0	0	0
310080	0	0	0	0	0	0	0	0	0	0
390050	0	0	1	11	1	5	0	0	0	0
400060	0	0	0	0	0	0	0	0	0	0
400080	16	220	0	0	0	0	0	0	0	0
900060	0	0	0	0	0	0	0	0	0	0
900080	10	55	0	0	5	53	0	0	0	0
8461100060	0	0	0	0	0	0	0	0	0	0
100080	0	0	0	0	0	0	0	0	0	0
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300060	0	0	0	0	0	0	0	0	0	0
300080	0	0	0	0	0	0	0	0	0	0
401050	0	0	0	0	0	0	0	0	0	0
401070	0	0	0	0	0	0	0	0	0	0
401090	0	0	0	0	0	0	0	0	0	0
405060	0	0	0	0	0	0	0	0	0	0
500050	0	0	0	0	0	0	0	0	0	0
500090	0	0	1	13	6	167	0	0	0	0
9000000001	0	0	0	0	4	35	1	14	0	0
9800000001	2	13	2	6	14	216	0	0	0	0
9900000001	161	97	19	18	51	35	0	0	0	0
Month Tot	197	2980	93	8515	94	2191	1	14	1	933
Y-T-D Tot	631	20946	523	12345	1995	12643	245	4464	69	7330
NC YTD Tot*	41	10360	16	2293	38	4152	6	578	3	135

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	Italy		Japan		Korea		Malaysia		Mexico	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8456300000	6	353	0	0	0	0	0	0	0	0
8457100015	2	261	0	0	0	0	0	0	0	0
100025	0	0	0	0	0	0	0	0	0	0
100035	0	0	0	0	0	0	0	0	0	0
100045	0	0	0	0	5	1248	0	0	11	1015
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300010	0	0	0	0	0	0	0	0	8	4752
300090	0	0	0	0	0	0	0	0	16	4848
8458110010	0	0	0	0	0	0	0	0	3	228
110030	0	0	1	101	0	0	0	0	2	97
110050	0	0	0	0	0	0	0	0	0	0
110090	0	0	2	501	0	0	0	0	0	0
190030	0	0	0	0	0	0	0	0	2	28
190050	0	0	0	0	0	0	0	0	0	0
190070	0	0	0	0	0	0	0	0	0	0
190090	0	0	0	0	1	22	0	0	0	0
911060	0	0	0	0	0	0	0	0	0	0
911080	0	0	0	0	0	0	0	0	0	0
915050	0	0	0	0	0	0	0	0	0	0
915070	0	0	0	0	0	0	0	0	0	0
991050	0	0	0	0	0	0	0	0	0	0
995090	0	0	0	0	0	0	0	0	7	572
8459100000	0	0	0	0	0	0	0	0	0	0
210080	0	0	0	0	0	0	0	0	7	430
290040	0	0	0	0	0	0	0	0	0	0
290050	0	0	0	0	0	0	0	0	1	5
290070	0	0	0	0	0	0	0	0	0	0
290090	0	0	0	0	0	0	0	0	11	58
310010	0	0	0	0	0	0	0	0	0	0
310040	0	0	0	0	0	0	0	0	0	0
310070	0	0	0	0	0	0	0	0	0	0
390040	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	0	0	0	0	1	6
400040	0	0	0	0	0	0	0	0	1	680
400050	0	0	0	0	0	0	0	0	0	0
400070	0	0	0	0	0	0	0	0	0	0
400080	0	0	0	0	0	0	0	0	1	150
510080	0	0	0	0	0	0	0	0	0	0
590030	0	0	0	0	0	0	0	0	0	0
610080	0	0	0	0	0	0	0	0	0	0
690050	0	0	0	0	0	0	0	0	0	0
690070	0	0	0	0	0	0	0	0	0	0
690090	0	0	0	0	0	0	0	0	8	67
700020	0	0	0	0	0	0	0	0	0	0
700080	0	0	0	0	0	0	0	0	4	100
8460110080	0	0	3	122	0	0	0	0	2	69
190010	0	0	0	0	0	0	0	0	0	0
190050	0	0	2	251	0	0	0	0	0	0
210080	0	0	3	1825	0	0	0	0	15	4581
290010	0	0	0	0	0	0	0	0	0	0
290030	0	0	0	0	0	0	0	0	0	0
290050	0	0	0	0	0	0	0	0	17	209
310080	0	0	0	0	1	35	0	0	0	0
390050	1	11	5	100	2	11	2	11	4	19
400060	0	0	0	0	0	0	0	0	0	0
400080	0	0	3	200	0	0	0	0	1	13
900060	0	0	1	39	0	0	0	0	0	0
900080	3	60	9	93	6	252	1	4	10	314
8461100060	0	0	0	0	2	55	0	0	0	0
100080	0	0	2	22	0	0	0	0	0	0
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	1	16	0	0	0	0	0	0
300060	0	0	0	0	0	0	0	0	43	2903
300080	0	0	0	0	0	0	0	0	1	162
401050	0	0	0	0	7	2700	0	0	0	0
401070	0	0	0	0	0	0	0	0	0	0
401090	0	0	2	1138	0	0	0	0	0	0
405060	0	0	0	0	0	0	0	0	0	0
500050	0	0	0	0	0	0	0	0	1	15
500090	0	0	8	175	2	25	0	0	15	183
9000000001	0	0	5	32	1	487	0	0	4	68
9800000001	3	9	29	1967	6	888	0	0	323	2404
9900000001	87	4	33	30	167	127	0	0	754	271
Month Tot	102	699	109	6611	200	5849	3	15	1273	24247
Y-T-D Tot	918	10739	1582	26299	1073	51909	193	503	8349	73977
NC YTD Tot*	15	3128	63	6907	77	31379	0	0	247	38637

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	Netherlands		Singapore		Spain		Switzerland		Taiwan	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8456300000	2	133	0	0	0	0	0	0	0	0
8457100015	0	0	0	0	0	0	0	0	4	934
100025	0	0	0	0	0	0	0	0	0	0
100035	0	0	0	0	0	0	0	0	0	0
100045	0	0	2	102	0	0	0	0	0	0
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300010	0	0	0	0	0	0	0	0	0	0
300090	0	0	0	0	0	0	0	0	0	0
8458110010	0	0	0	0	0	0	0	0	0	0
110030	0	0	0	0	0	0	0	0	0	0
110050	0	0	0	0	0	0	0	0	0	0
110090	0	0	0	0	0	0	0	0	0	0
190030	0	0	0	0	0	0	0	0	0	0
190050	0	0	0	0	0	0	0	0	0	0
190070	0	0	0	0	0	0	0	0	0	0
190090	0	0	3	20	0	0	0	0	0	0
911060	0	0	0	0	0	0	0	0	0	0
911080	0	0	0	0	0	0	0	0	0	0
915050	0	0	0	0	0	0	0	0	0	0
915070	0	0	0	0	0	0	0	0	0	0
991050	0	0	0	0	0	0	0	0	0	0
995090	0	0	0	0	0	0	1	45	0	0
8459100000	0	0	0	0	0	0	0	0	0	0
210080	1	41	26	651	0	0	0	0	0	0
290040	0	0	0	0	0	0	0	0	0	0
290050	0	0	0	0	0	0	0	0	0	0
290070	0	0	0	0	0	0	0	0	0	0
290090	0	0	0	0	0	0	0	0	0	0
310010	0	0	0	0	0	0	0	0	0	0
310040	0	0	0	0	0	0	0	0	0	0
310070	0	0	0	0	0	0	0	0	0	0
390040	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	0	0	0	0	0	0
400040	0	0	0	0	0	0	0	0	0	0
400050	0	0	0	0	0	0	0	0	0	0
400070	0	0	0	0	0	0	0	0	0	0
400080	0	0	0	0	0	0	0	0	1	200
510080	0	0	0	0	0	0	0	0	0	0
590030	0	0	8	287	0	0	0	0	0	0
610080	0	0	0	0	0	0	0	0	0	0
690050	0	0	0	0	0	0	0	0	0	0
690070	0	0	0	0	0	0	0	0	0	0
690090	0	0	0	0	0	0	0	0	0	0
700020	0	0	0	0	0	0	0	0	0	0
700080	0	0	0	0	0	0	0	0	0	0
8460110080	0	0	0	0	0	0	2	80	0	0
190010	0	0	0	0	0	0	0	0	0	0
190050	0	0	0	0	0	0	0	0	0	0
210080	0	0	0	0	0	0	0	0	0	0
290010	0	0	0	0	0	0	0	0	0	0
290030	0	0	0	0	0	0	0	0	0	0
290050	0	0	0	0	0	0	0	0	0	0
310080	1	25	0	0	0	0	0	0	0	0
390050	0	0	0	0	0	0	0	0	0	0
400060	0	0	0	0	0	0	0	0	0	0
400080	1	6	0	0	0	0	4	56	0	0
900060	0	0	0	0	0	0	0	0	0	0
900080	0	0	3	10	1	12	2	25	1	12
8461100060	0	0	0	0	0	0	0	0	0	0
100080	0	0	0	0	0	0	0	0	0	0
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300060	0	0	0	0	0	0	0	0	0	0
300080	0	0	0	0	0	0	0	0	0	0
401050	0	0	1	108	0	0	0	0	0	0
401070	0	0	0	0	0	0	0	0	0	0
401090	0	0	0	0	0	0	0	0	0	0
405060	0	0	0	0	0	0	0	0	0	0
500050	0	0	0	0	0	0	0	0	0	0
500090	0	0	1	9	0	0	1	13	4	35
9000000001	4	41	9	56	0	0	0	0	1	11
9800000001	17	118	3	52	1	3	0	0	0	0
9900000001	0	0	410	142	5	8	20	13	109	88
Month Tot	26	364	466	1437	7	24	30	232	120	1280
Y-T-D Tot	357	3628	1828	6658	199	1860	305	3381	1431	12693
NC YTD Tot*	31	1692	36	1635	0	0	11	2405	43	9961

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	Thailand		U.K.		USSR		Venezuela		All Other	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8456300000	0	0	0	0	0	0	0	0	0	0
8457100015	0	0	1	158	0	0	0	0	1	79
100025	0	0	0	0	0	0	0	0	0	0
100035	0	0	0	0	0	0	0	0	0	0
100045	0	0	0	0	0	0	0	0	0	0
200010	0	0	1	192	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300010	0	0	0	0	0	0	0	0	0	0
300090	0	0	0	0	0	0	0	0	0	0
8458110010	0	0	0	0	0	0	0	0	0	0
110030	0	0	0	0	0	0	0	0	1	114
110050	0	0	0	0	0	0	0	0	0	0
110090	0	0	1	244	0	0	0	0	0	0
190030	0	0	0	0	0	0	0	0	2	28
190050	0	0	0	0	0	0	0	0	1	9
190070	0	0	0	0	0	0	0	0	0	0
190090	0	0	1	5	0	0	0	0	5	386
911060	0	0	0	0	0	0	0	0	0	0
911080	0	0	0	0	0	0	0	0	0	0
915050	0	0	0	0	0	0	0	0	0	0
915070	0	0	0	0	0	0	0	0	0	0
991050	0	0	0	0	0	0	0	0	0	0
995090	0	0	1	25	0	0	0	0	1	29
8459100000	0	0	0	0	0	0	0	0	0	0
210080	0	0	0	0	0	0	0	0	1	60
290040	0	0	0	0	0	0	0	0	0	0
290050	0	0	0	0	0	0	0	0	0	0
290070	0	0	0	0	0	0	0	0	7	504
290090	0	0	0	0	0	0	0	0	0	0
310010	0	0	0	0	0	0	0	0	0	0
310040	0	0	0	0	0	0	0	0	0	0
310070	0	0	0	0	0	0	0	0	0	0
390040	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	0	0	0	0	0	0
400040	0	0	0	0	0	0	0	0	0	0
400050	0	0	0	0	0	0	0	0	0	0
400070	0	0	0	0	0	0	0	0	0	0
400080	0	0	0	0	0	0	0	0	0	0
510080	0	0	0	0	0	0	0	0	0	0
590030	0	0	0	0	0	0	0	0	3	104
610080	0	0	1	29	0	0	0	0	1	1750
690050	0	0	0	0	0	0	0	0	0	0
690070	0	0	0	0	0	0	0	0	0	0
690090	2	44	0	0	0	0	0	0	4	94
700020	0	0	0	0	0	0	0	0	0	0
700080	0	0	0	0	0	0	0	0	1	3
8460110080	0	0	0	0	0	0	0	0	1	22
190010	0	0	0	0	0	0	0	0	3	34
190050	0	0	2	411	0	0	0	0	0	0
210080	0	0	0	0	0	0	0	0	0	0
290010	0	0	0	0	0	0	0	0	0	0
290030	0	0	0	0	0	0	0	0	0	0
290050	0	0	3	163	0	0	0	0	3	44
310080	0	0	0	0	0	0	1	21	0	0
390050	0	0	1	5	0	0	0	0	4	27
400060	0	0	0	0	0	0	0	0	0	0
400080	6	126	0	0	0	0	1	12	4	27
900060	0	0	0	0	0	0	0	0	3	0
900080	7	109	1	6	0	0	21	214	20	194
8461100060	0	0	0	0	0	0	0	0	0	0
100080	3	51	1	6	0	0	1	19	11	209
200010	0	0	0	0	0	0	0	0	5	1084
200090	0	0	0	0	0	0	0	0	1	3
300060	0	0	0	0	0	0	0	0	0	0
300080	0	0	0	0	0	0	0	0	0	0
401050	0	0	0	0	0	0	0	0	1	41
401070	0	0	0	0	0	0	0	0	0	0
401090	0	0	0	0	0	0	0	0	0	0
405060	0	0	0	0	0	0	0	0	0	0
500050	0	0	0	0	0	0	0	0	0	0
500090	2	19	7	105	0	0	0	0	3	52
9000000001	0	0	2	7	0	0	5	60	11	273
9800000001	3	32	5	178	0	0	23	233	125	500
9900000001	28	14	172	73	0	0	350	92	1192	569
Month Tot	51	395	200	1607	0	0	402	651	1412	6239
Y-T-D Tot	1760	2563	1470	12380	0	0	2365	4087	8205	31907
NC YTD Tot*	14	975	38	5246	0	0	20	908	62	7119

Please see notes on last page of the metal forming section.

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RELEASED: September 30, 1992

Metal Forming Machine Tools		TOTAL YTD		TOTAL MO.	
		UNITS	$000	UNITS	$000
8454300010	Die casting machines	245	6864	13	2827
8462100030	Headers and upsetters, including cold headers	17	8895	5	927
100050	Forging or die stamping machines, and hammers, n.e.c.	159	17823	37	5342
210080	Bending, folding, straight. or flat. mach., incl presses, NC	292	25605	40	7604
290030	Press brakes, non-NC	112	3508	19	787
290040	Bending rolls, non-NC	48	2715	5	1065
290050	Bending, folding, straight., or flat., n.e.c., non-NC	611	25457	97	8090
310080	Shearing machines, NC	55	4138	6	613
390050	Shearing machines, non-NC	252	4769	35	577
410080	Punching or notching mach., incl. comb. punch & shear, NC	155	16124	14	1366
490050	Punching or notching mach., incl. comb. punch & sh., non-NC	403	11085	89	1521
910060	Hydraulic presses, NC	56	2946	7	319
910090	Hydraulic presses, non-NC	271	9715	29	2564
990030	Presses, n.e.c., NC	86	9517	8	1849
990040	Presses, mechanical, non-NC	43	3629	9	191
990060	Presses, n.e.c., non-NC	597	40850	61	7204
8463100080	Draw benches for bars, tubes, profiles, wire or the like	83	3078	8	754
200080	Thread rolling machines	19	580	5	249
300080	Machines for working wire	373	10438	27	1128
900080	Metal forming machine tools, n.e.c.	937	51774	115	6916
9800000002	Used or rebuilt machine tools	1732	39044	280	6872
9900000002	Machine tools valued at less than $3,025	8461	6947	1253	1015
	Forming Total			2162	59778
	Y-T-D Forming Total	15007	305500		
	NC Y-T-D Forming Total	644	58329		
	Cutting and Forming Totals:				
	Monthly Total			7574	130742
	Y-T-D Total	53733	677563		
	NC Y-T-D Total*	1637	216359		

Other Manufacturing Technology		TOTAL YTD		TOTAL MO.	
		UNITS	$000	UNITS	$000
1000000000	Machine tool parts and accessories	0	463995	0	69106
2000000000	Parts for working rubber or plastics - heading 8477	0	142211	0	19323
2710003070	Quenching or cutting oils	0	4498	0	909
8428900010	Industrial robots for lifting, handling, loading or unload	745	7017	41	472
8431390090	Parts industrial robots, handling and loading - heading 8428	0	64219	0	6150
8456100000	Laser, light or photon beam for working any material	206	11963	35	1608
200000	Ultrasonic process for working any material	10	311	1	27
8477106010	Injection molding mach., for rubber or oth. thermosetting	164	14945	15	1188
106070	Injection molding machines, for thermoplastics	353	47455	56	6610
200005	Extruders; rubber or other thermosetting mat., single screw	27	2304	1	166
200015	Extruders; rubber or thermosetting, other incl. multi. screw	95	11977	22	1947
200030	Extruders; thermoplastics, single screw	155	15529	38	6559
200060	Extruders; thermoplastics, other incl. multi. screw	49	4759	9	714
300000	Blow molding machines	407	29846	23	3693
400000	Vacuum-molding and other thermoforming machines	1059	9023	139	1647
510010	Machines for molding or retreading pneumatic tires	2742	20526	130	2872
510090	Machines for molding or otherwise forming inner tubes	513	3352	47	372
590000	Machines for molding or otherwise forming n.e.c.	1037	15235	76	1495
800000	Machines for working rubber or plastics n.e.c.	2501	55435	301	5919
8479899040	Industrial robots, n.e.c.	3278	37370	347	4287
908040	Industrial robot parts	0	17362	0	2512
8537100030	Numerical controls for controlling machine tools	1084	14857	147	2010
9024100000	Machines and appliances for testing metals	0	34837	0	5684
9031100000	Machines for balancing mechanical parts	0	16863	0	3441
300000	Profile projectors	0	1768	0	241
9032810040	Industrial process control instr., hydraulic or pneumatic	247045	23023	32650	3154

Note: Product code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466940000.
* "NC Y-T-D Total" does not include code 8456300000.
Note: "0" in units column with corresponding value means that unit measure is not meaningful.
n.e.c. - Not elsewhere classified.

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	Australia		Austria		Belgium		Brazil		Canada	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8454300010	0	0	0	0	0	0	0	0	3	803
8462100030	0	0	0	0	0	0	1	622	0	0
100050	0	0	0	0	1	576	0	0	2	151
210080	2	68	0	0	0	0	0	0	4	232
290030	0	0	0	0	0	0	0	0	4	49
290040	0	0	0	0	0	0	0	0	2	78
290050	0	0	0	0	8	71	0	0	27	2415
310080	0	0	0	0	0	0	0	0	1	94
390050	0	0	0	0	0	0	8	126	7	66
410080	1	109	0	0	0	0	0	0	2	301
490050	0	0	0	0	0	0	0	0	27	372
910060	0	0	0	0	0	0	0	0	3	111
910090	0	0	0	0	0	0	0	0	2	137
990030	0	0	0	0	0	0	0	0	0	0
990040	0	0	0	0	0	0	0	0	0	0
990060	1	13	0	0	0	0	1	7	2	89
8463100080	0	0	0	0	0	0	0	0	0	0
200080	0	0	0	0	0	0	1	211	1	10
300080	0	0	0	0	2	386	2	41	0	0
900080	0	0	0	0	0	0	0	0	15	109
9800000002	0	0	0	0	0	0	1	14	26	486
9900000002	6	5	0	0	85	43	14	12	154	165
Month Tot	10	196	0	0	96	1076	28	1033	282	5668
Y-T-D Tot	236	2251	73	975	545	9477	300	6444	2205	36411
NC YTD Tot	5	290	0	0	4	154	27	536	75	5870
C&F Month	137	1252	0	0	158	1121	44	1223	702	11060
C&F Y-T-D	807	5813	98	2380	799	10710	632	11453	6251	96953
C&F NC YTD*	14	1714	5	1337	9	641	48	2884	267	30794

Other Manufacturing Technology

1000000000	0	1346	0	127	0	721	0	736	0	8380
2000000000	0	431	0	22	0	128	0	102	0	5446
2710003070	0	5	0	0	0	19	0	0	0	82
8428900010	0	0	0	0	0	0	0	0	3	98
8431390090	0	39	0	0	0	16	0	45	0	946
8456100000	0	0	0	0	0	0	0	0	2	26
200000	0	0	0	0	0	0	0	0	0	0
8477106010	0	0	0	0	0	0	0	0	2	140
106070	0	0	0	0	2	168	0	0	21	2073
200005	0	0	0	0	0	0	0	0	0	0
200015	0	0	0	0	0	0	0	0	16	1720
200030	0	0	0	0	0	0	0	0	0	0
200060	0	0	0	0	0	0	0	0	2	404
300000	0	0	0	0	0	0	0	0	4	746
400000	0	0	0	0	0	0	10	761	0	0
510010	4	54	0	0	8	188	0	0	45	1208
510090	0	0	0	0	1	4	0	0	0	0
590000	1	14	0	0	1	17	0	0	4	125
800000	1	32	0	0	1	55	0	0	69	1289
8479899040	0	0	0	0	0	0	0	0	256	1541
908040	0	5	0	10	0	0	0	0	0	537
8537100030	0	0	1	12	3	45	0	0	7	96
9024100000	0	30	0	6	0	105	0	3	0	1167
9031100000	0	7	0	0	0	0	0	0	0	1732
300000	0	0	0	0	0	0	0	0	0	5
9032810040	1015	57	40	30	214	20	0	0	1472	219

Note: Product Code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466940000.
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	China		France		Germany **		India		Indonesia	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8454300010	0	0	0	0	1	38	0	0	1	4
8462100030	0	0	0	0	0	0	0	0	0	0
100050	0	0	3	501	1	97	0	0	0	0
210080	0	0	0	0	1	146	0	0	0	0
290030	0	0	0	0	0	0	0	0	0	0
290040	2	975	0	0	0	0	0	0	0	0
290050	0	0	1	26	11	453	7	47	8	1492
310080	0	0	0	0	0	0	0	0	0	0
390050	0	0	1	3	0	0	0	0	0	0
410080	0	0	0	0	0	0	0	0	0	0
490050	0	0	0	0	6	494	0	0	0	0
910060	0	0	0	0	0	0	0	0	0	0
910090	2	803	0	0	0	0	0	0	0	0
990030	3	345	2	882	1	181	0	0	0	0
990040	0	0	0	0	0	0	0	0	0	0
990060	0	0	0	0	19	871	0	0	1	1299
8463100080	0	0	0	0	0	0	0	0	0	0
200080	0	0	0	0	0	0	0	0	0	0
300080	0	0	0	0	0	0	0	0	0	0
900080	0	0	1	26	3	272	1	36	0	0
9800000002	4	18	3	863	0	0	0	0	0	0
9900000002	0	0	30	27	65	61	5	4	1	3
Month Tot	11	2142	41	2328	108	2613	13	88	11	2798
Y-T-D Tot	138	9824	293	10684	818	22263	133	791	56	3998
NC YTD Tot	19	2092	6	1534	11	1360	2	90	0	0
C&F Month	208	5121	134	10843	202	4804	14	101	12	3731
C&F Y-T-D	769	30769	816	23029	2813	34906	378	5255	125	11327
C&F NC YTD*	60	12452	22	3827	49	5512	8	668	3	135

Other Manufacturing Technology

1000000000	0	676	0	2238	0	5935	0	129	0	31
2000000000	0	442	0	1049	0	1025	0	138	0	90
2710003070	0	0	0	0	0	0	0	0	0	17
8428900010	3	32	1	3	30	276	0	0	0	0
8431390090	0	82	0	28	0	155	0	21	0	243
8456100000	1	238	4	86	0	0	0	0	0	0
200000	0	0	0	0	0	0	0	0	0	0
8477106010	0	0	0	0	0	0	0	0	0	0
106070	9	2228	0	0	8	776	0	0	0	0
200005	0	0	0	0	0	0	0	0	0	0
200015	0	0	0	0	1	60	0	0	0	0
200030	0	0	0	0	4	109	1	24	1	547
200060	0	0	1	15	1	14	0	0	0	0
300000	0	0	6	118	0	0	0	0	0	0
400000	0	0	37	4	0	0	0	0	0	0
510010	0	0	0	0	0	0	0	0	0	0
510090	0	0	0	0	0	0	0	0	0	0
590000	0	0	1	75	6	129	1	13	6	100
800000	6	1023	2	407	0	0	0	0	1	83
8479899040	0	0	21	185	14	894	0	0	0	0
908040	0	30	0	316	0	331	0	15	0	0
8537100030	2	56	8	118	8	189	0	0	0	0
9024100000	0	30	0	61	0	321	0	21	0	0
9031100000	0	365	0	0	0	23	0	0	0	0
300000	0	0	0	0	0	23	0	0	0	0
9032810040	227	17	6910	344	1617	142	1921	124	4	17

Note: Product Code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466940000.
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	Italy		Japan		Korea		Malaysia		Mexico	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8454300010	0	0	1	5	2	1866	0	0	5	112
8462100030	0	0	4	305	0	0	0	0	0	0
100050	3	196	4	225	2	102	0	0	5	2446
210080	0	0	6	411	1	41	0	0	8	463
290030	1	8	0	0	0	0	0	0	3	208
290040	0	0	0	0	0	0	0	0	1	12
290050	0	0	0	0	8	2700	0	0	9	483
310080	0	0	0	0	0	0	0	0	2	180
390050	0	0	0	0	10	160	0	0	9	222
410080	0	0	0	0	0	0	0	0	2	142
490050	1	4	0	0	0	0	0	0	14	153
910060	0	0	1	30	0	0	0	0	1	71
910090	0	0	0	0	0	0	0	0	8	315
990030	1	433	0	0	0	0	0	0	1	8
990040	0	0	0	0	1	48	0	0	7	113
990060	0	0	2	921	14	3537	0	0	12	264
8463100080	0	0	0	0	0	0	0	0	0	0
200080	0	0	0	0	1	14	0	0	1	4
300080	0	0	0	0	0	0	0	0	12	82
900080	0	0	4	106	42	4639	0	0	6	77
9800000002	2	19	0	0	1	1904	1	11	133	1764
9900000002	92	56	118	86	9	7	0	0	321	289
Month Tot	100	717	140	2088	91	15018	1	11	560	7408
Y-T-D Tot	483	11145	920	17483	514	35468	49	1354	3702	52063
NC YTD Tot	73	5877	23	2740	61	6660	10	784	93	8327
C&F Month	202	1415	249	8700	291	20867	4	26	1833	31655
C&F Y-T-D	1401	21884	2502	43782	1587	87377	242	1857	12051	126040
C&F NC YTD*	88	9005	86	9647	138	38039	10	784	340	46965

Other Manufacturing Technology

1000000000	0	1258	0	5002	0	6863	0	251	0	12863
2000000000	0	188	0	1816	0	114	0	138	0	986
2710003070	0	0	0	118	0	10	0	0	0	4
8428900010	0	0	2	18	0	0	0	0	0	0
8431390090	0	12	0	42	0	51	0	0	0	923
8456100000	0	0	3	406	0	0	0	0	0	0
200000	0	0	0	0	0	0	0	0	0	0
8477106010	0	0	0	0	0	0	0	0	11	889
106070	0	0	0	0	1	233	0	0	3	393
200005	0	0	0	0	0	0	0	0	0	0
200015	0	0	0	0	0	0	0	0	2	69
200030	3	1150	1	27	14	344	0	0	2	82
200060	4	257	0	0	0	0	0	0	0	0
300000	0	0	0	0	0	0	0	0	4	467
400000	0	0	0	0	0	0	0	0	84	757
510010	1	40	16	254	0	0	0	0	2	115
510090	0	0	1	4	0	0	0	0	2	24
590000	5	74	12	234	2	104	0	0	7	197
800000	0	0	2	346	0	0	29	84	101	1238
8479899040	11	606	14	304	0	0	1	6	8	53
908040	0	430	0	319	0	14	0	0	0	119
8537100030	11	149	1	8	3	45	1	14	12	184
9024100000	0	47	0	1253	0	516	0	0	0	202
9031100000	0	7	0	151	0	219	0	0	0	401
300000	0	36	0	0	0	0	0	0	0	78
9032810040	1207	165	1578	134	374	64	1	3	416	94

Note: Product Code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466940000.
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	Netherlands		Singapore		Spain		Switzerland		Taiwan	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8454300010	0	0	0	0	0	0	0	0	0	0
8462100030	0	0	0	0	0	0	0	0	0	0
100050	0	0	0	0	0	0	0	0	0	0
210080	0	0	0	0	0	0	1	23	0	0
290030	0	0	0	0	0	0	0	0	0	0
290040	0	0	0	0	0	0	0	0	0	0
290050	1	28	11	286	0	0	0	0	0	0
310080	0	0	0	0	0	0	0	0	3	339
390050	0	0	0	0	0	0	0	0	0	0
410080	0	0	5	540	0	0	0	0	1	149
490050	0	0	2	16	0	0	0	0	2	15
910060	0	0	0	0	0	0	0	0	0	0
910090	0	0	0	0	0	0	0	0	10	1172
990030	0	0	0	0	0	0	0	0	0	0
990040	0	0	0	0	0	0	0	0	0	0
990060	0	0	3	20	0	0	0	0	0	0
8463100080	1	14	0	0	0	0	0	0	0	0
200080	0	0	1	10	0	0	0	0	0	0
300080	0	0	0	0	0	0	0	0	4	59
900080	1	4	3	154	2	215	0	0	5	124
9800000002	0	0	23	63	0	0	2	22	0	0
9900000002	10	6	62	54	4	3	17	14	0	0
Month Tot	13	51	110	1144	6	218	20	58	25	1858
Y-T-D Tot	147	2526	384	6868	57	1307	280	1653	190	10506
NC YTD Tot	12	1695	49	2061	7	334	13	1026	31	2693
C&F Month	39	415	576	2581	13	242	50	290	145	3138
C&F Y-T-D	504	6154	2212	13525	256	3168	585	5034	1621	23198
C&F NC YTD*	43	3387	85	3697	7	334	24	3431	74	12654

Other Manufacturing Technology

1000000000	0	1933	0	1510	0	236	0	590	0	2393
2000000000	0	90	0	202	0	87	0	137	0	303
2710003070	0	0	0	309	0	11	0	9	0	64
8428900010	0	0	0	0	0	0	0	0	0	0
8431390090	0	70	0	33	0	279	0	69	0	57
8456100000	0	0	2	309	0	0	1	25	0	0
200000	0	0	0	0	0	0	0	0	0	0
8477106010	0	0	0	0	0	0	0	0	0	0
106070	0	0	0	0	0	0	0	0	0	0
200005	0	0	0	0	0	0	0	0	1	166
200015	0	0	0	0	0	0	0	0	0	0
200030	0	0	0	0	0	0	0	0	3	75
200060	0	0	0	0	0	0	0	0	0	0
300000	0	0	0	0	0	0	0	0	0	0
400000	0	0	1	58	0	0	0	0	6	54
510010	1	13	0	0	0	0	0	0	0	0
510090	1	4	0	0	0	0	1	21	0	0
590000	0	0	0	0	2	19	0	0	3	74
800000	0	0	3	9	1	411	2	32	1	28
8479899040	8	72	0	0	1	41	3	399	1	27
908040	0	0	0	7	0	18	0	126	0	49
8537100030	6	60	9	137	0	0	0	0	3	39
9024100000	0	150	0	116	0	84	0	44	0	170
9031100000	0	0	0	93	0	9	0	0	0	0
300000	0	0	0	18	0	0	0	6	0	0
9032810040	1801	356	1177	90	483	131	148	17	902	63

Note: Product Code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466940000.
* "C&F NC YTD" does not include code 8456300000.
Note: "0" in units column with corresponding value means that unit measure is not meaningful.

U.S. EXPORTS
Metal Forming Machine Tools, Machine Tool Totals and Other Manufacturing Technology
July 92

Metal Forming

	Thailand		U.K.		USSR		Venezuela		All Other	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8454300010	0	0	0	0	0	0	0	0	0	0
8462100030	0	0	0	0	0	0	0	0	0	0
100050	0	0	0	0	0	0	1	57	15	991
210080	0	0	2	174	0	0	0	0	15	6046
290030	0	0	0	0	0	0	0	0	11	522
290040	0	0	0	0	0	0	0	0	0	0
290050	1	15	3	43	0	0	0	0	2	30
310080	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	0	0	0	0	0	0
410080	0	0	0	0	0	0	0	0	3	125
490050	0	0	2	24	0	0	1	11	34	433
910060	0	0	0	0	0	0	0	0	2	107
910090	0	0	4	24	0	0	0	0	3	112
990030	0	0	0	0	0	0	0	0	0	0
990040	0	0	1	29	0	0	0	0	0	0
990060	0	0	1	25	0	0	0	0	5	157
8463100080	0	0	2	28	0	0	1	650	4	62
200080	0	0	0	0	0	0	0	0	0	0
300080	0	0	1	13	0	0	1	17	5	530
900080	0	0	2	10	0	0	0	0	30	1144
9800000002	0	0	15	108	0	0	1	20	68	1579
9900000002	29	21	130	84	0	0	14	12	87	64
Month Tot	30	36	163	561	0	0	19	766	284	11903
Y-T-D Tot	131	5011	1032	14646	13	244	175	3871	2133	38238
NC YTD Tot	3	1131	35	2556	0	0	0	0	85	10520
C&F Month	81	431	363	2168	0	0	421	1417	1696	18141
C&F Y-T-D	1891	7574	2502	27026	13	244	2540	7959	10338	70145
C&F NC YTD*	17	2106	73	7802	0	0	20	908	147	17639

Other Manufacturing Technology

1000000000	0	562	0	5275	0	210	0	614	0	9225
2000000000	0	690	0	714	0	0	0	603	0	4383
2710003070	0	3	0	17	0	0	0	103	0	137
8428900010	1	43	1	3	0	0	0	0	0	0
8431390090	0	95	0	207	0	0	0	160	0	2577
8456100000	0	0	15	373	0	0	0	0	7	145
200000	0	0	0	0	0	0	0	0	1	27
8477106010	0	0	1	71	0	0	0	0	1	89
106070	0	0	6	295	0	0	0	0	6	444
200005	0	0	0	0	0	0	0	0	0	0
200015	0	0	2	34	0	0	0	0	1	62
200030	1	439	1	58	0	0	1	2200	6	1503
200060	0	0	1	24	0	0	0	0	0	0
300000	0	0	5	1782	0	0	0	0	4	580
400000	0	0	0	0	0	0	0	0	1	13
510010	0	0	0	0	0	0	3	65	50	934
510090	0	0	0	0	0	0	0	0	41	316
590000	1	23	1	89	0	0	0	0	23	210
800000	3	50	22	539	0	0	3	26	54	267
8479899040	0	0	5	81	0	0	0	0	4	80
908040	0	0	0	116	0	0	0	0	0	71
8537100030	1	11	43	445	0	0	0	0	28	404
9024100000	0	0	0	550	0	0	0	445	0	362
9031100000	0	0	0	26	0	0	0	0	0	408
300000	0	0	0	0	0	0	0	0	0	75
9032810040	1	4	2602	307	0	0	193	10	8347	749

Note: Product Code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466940000.
* "C&F NC YTD" does not include code 8456300000.
Note: "0" in units column with corresponding value means that unit measure is not meaningful.

U.S. EXPORTS
Metal Cutting and Metal Forming Machine Tool Totals
July 92

	METAL CUTTING		METAL FORMING		TOTAL	
	UNITS	$000	UNITS	$000	UNITS	$000
EUROPE						
Bulgaria	0	0	0	0	0	0
Czechoslovakia	0	0	1	137	1	137
Denmark	4	57	0	0	4	57
Finland	13	29	12	62	25	91
Greece	0	0	0	0	0	0
Hungary	82	576	4	115	86	691
Iceland	0	0	0	0	0	0
Ireland	12	33	1	79	13	112
Luxembourg	0	0	0	0	0	0
Norway	3	47	0	0	3	47
Poland	0	0	0	0	0	0
Portugal	10	32	10	518	20	550
Romania	8	193	0	0	8	193
Sweden	1	10	22	842	23	852
Turkey	1	1750	6	5	7	1755
Yugoslavia	0	0	0	0	0	0
Oth Europe	0	0	0	0	0	0
TOTAL	748	16402	603	9381	1351	25784
NORTH AND CENTRAL AMERICA						
Bahamas	1	15	0	0	1	15
Barbados	0	0	2	10	2	10
Belize	0	0	5	5	5	5
Bermuda	0	0	0	0	0	0
Costa Rica	43	19	1	52	44	70
Dominican Rep	4	16	2	21	6	37
El Salvador	1	22	0	0	1	22
Guatemala	18	6	11	46	29	53
Haiti	0	0	0	0	0	0
Honduras	0	0	0	0	0	0
Jamaica	0	0	2	12	2	12
Panama	3	5	0	0	3	5
Trinidad	0	0	0	0	0	0
Oth N & C Am.	1	9	0	0	1	9
TOTAL	1764	29731	865	13222	2629	42953
SOUTH AMERICA						
Argentina	15	222	15	155	30	377
Bolivia	0	0	0	0	0	0
Chile	36	211	21	582	57	793
Colombia	270	211	3	199	273	410
Ecuador	51	33	8	314	59	347
Paraguay	0	0	0	0	0	0
Peru	2	14	2	17	4	32
Uruguay	28	52	0	0	28	52
Oth South Am.	0	0	1	5	1	5
TOTAL	820	1583	97	3072	917	4655
OCEANIA						
New Zealand	5	12	0	0	5	12
Oth Oceania	0	0	0	0	0	0
TOTAL	132	1068	10	196	142	1264

U.S. EXPORTS
Metal Cutting and Metal Forming Machine Tool Totals
July 92

	METAL CUTTING		METAL FORMING		TOTAL	
	UNITS	$000	UNITS	$000	UNITS	$000
ASIA						
Bangladesh	0	0	0	0	0	0
Hong Kong	299	1677	19	160	318	1838
Iran	1	10	0	0	1	10
Iraq	0	0	0	0	0	0
Israel	145	8	2	117	147	125
Jordan	0	0	2	28	2	28
Kuwait	44	91	3	60	47	151
Laos	0	0	0	0	0	0
Lebanon	0	0	0	0	0	0
Macao	0	0	0	0	0	0
Oman	1	3	0	0	1	3
Pakistan	0	0	0	0	0	0
Philippines	174	55	5	522	179	577
Qatar	0	0	0	0	0	0
Saudi Arabia	14	19	78	938	92	957
Sri Lanka	0	0	0	0	0	0
Syria	0	0	0	0	0	0
United Arab Emr	9	13	14	6014	23	6027
Vietnam	0	0	0	0	0	0
Oth Asia	0	0	0	0	0	0
TOTAL	1835	21391	555	33021	2390	54412
AFRICA						
Algeria	4	200	0	0	4	200
Botswana	0	0	4	4	4	4
Egypt	15	520	2	72	17	592
Ethiopia	0	0	0	0	0	0
Gabon	0	0	0	0	0	0
Ghana	0	0	0	0	0	0
Guinea	0	0	0	0	0	0
Kenya	0	0	0	0	0	0
Malawi	0	0	0	0	0	0
Mauritius	0	0	0	0	0	0
Morocco	0	0	0	0	0	0
Niger	0	0	0	0	0	0
Nigeria	1	3	0	0	1	3
South Africa	93	66	17	321	110	388
Sudan	0	0	0	0	0	0
Swaziland	0	0	0	0	0	0
Tunisia	0	0	9	489	9	489
Zaire	0	0	0	0	0	0
Zambia	0	0	0	0	0	0
Zimbabwe	0	0	0	0	0	0
Oth Africa	0	0	0	0	0	0
TOTAL	113	789	32	886	145	1675

Note: Region totals include top countries detailed by product as well as countries listed above.
** West and East Germany are combined.
Cutting Section Notes:
Total for Metal Cutting and Metal Forming appears in Metal Forming Section.
Product Code 9000000001, Metal cutting machine tools, n.e.c., represents the total of codes: 8461900040 and 8461900080.
n.e.c. - Not elsewhere classified.
* "NC Y-T-D Cutting Total" does not include code 8456300000.

U.S. IMPORTS - Metal Cutting Machine Tools -- July 92

RELEASED: September 30, 1992

		TOTAL YTD		TOTAL MO.	
		UNITS	$000	UNITS	$000
- 8456301020	Traveling wire electro-discharge machines	426	36965	63	6062
301050	Electro-discharge machines, n.e.c., NC	140	10520	27	2158
301070	Electro-discharge machines, n.e.c., non-NC	110	1665	18	279
8457100015	Vert. mach. ctrs., ATC, Y-axis travel not over 660mm (26")	1113	87691	193	16041
100025	Vert. mach. ctrs., ATC, Y-axis travel over 660mm (26")	77	18491	17	2313
100035	Horizontal machining centers, ATC	303	69777	89	16533
100045	Machining centers, n.e.c.	28	36071	3	279
200010	Unit construction mach. (single station transfer), NC	2	408	0	0
200090	Unit construction mach. (single station transfer), non-NC	8	1258	1	61
300010	Multi-station transfer machines, NC	18	17540	0	0
300090	Multi-station transfer machines, non-NC	49	19833	5	1641
8458110010	Horizontal lathes, multiple spindle, NC	224	31919	51	7448
110030	Horiz. lathes, power rating under 18.65 kW (25 HP), NC	1068	74034	171	11375
110050	Horiz. lathes, power rating 18.65-37.3 kW (25-50 HP), NC	216	33258	39	5990
110090	Horiz. lathes, power rating over 37.3 kW (50 HP), NC	20	7068	1	570
190030	Horizontal engine or toolroom lathes, non-NC	1472	13416	236	2022
190050	Automatic bar and/or chucking mach., single spindle, non-NC	76	1772	19	103
190070	Automatic bar and/or chucking mach., mult. spindle, non-NC	25	4574	3	1669
190090	Horizontal lathes, n.e.c., non-NC	145	3143	46	823
911060	Vertical turret lathes, multiple spindle, NC	15	3095	1	199
911080	Vertical turret lathes, n.e.c., NC	37	7089	6	868
915050	Vertical lathes, excl. VTL's, multiple spindle, NC	8	2139	0	0
915070	Vertical lathes, excluding VTL's, n.e.c., NC	15	2251	1	105
991050	Vertical turret lathes, non-NC	17	688	1	157
995090	Vertical lathes, n.e.c., excl. VTL's, non-NC	222	10054	28	1977
8459100000	Way-type unit head machines	6	535	0	0
210080	Other drilling machines, NC	73	6327	7	305
290040	Drilling machines, multiple spindle, non-NC	86	2888	1	14
290050	Drilling machines, radial, non-NC	103	893	13	111
290070	Drilling, upright, ex. sensitive, turret & deep hole, non-NC	20	1584	0	0
290090	Drilling machines, n.e.c., non-NC	147	5788	14	1227
310010	Boring-milling mach., horiz. spind., table, excl. planer, NC	14	2435	4	426
310040	Boring-milling mach., horiz. spindle, n.e.c., NC	29	7248	4	1197
310070	Boring-milling machines, n.e.c., NC	5	657	1	32
390040	Boring-milling mach., horiz. spindle, n.e.c., non-NC	6	363	0	0
390050	Boring-milling mach., excl. horiz. spindle, n.e.c., non-NC	105	2421	45	430
400040	Boring machines, vertical, NC	3	675	0	0
400050	Boring machines, vertical, non-NC	20	304	2	56
400070	Boring machines, n.e.c., NC	1	1315	1	1315
400080	Boring machines, n.e.c., non-NC	94	3945	16	213
510080	Milling machines, knee type, NC	109	2371	14	192
590030	Milling machines, knee type, non-NC	1016	8427	108	986
610080	Milling machines, excluding knee type, n.e.c., NC	122	18637	24	3253
690050	Milling machines, profile, dup., or die sinking, non-NC	4	33	1	18
690070	Milling machines, bed type, non-NC	25	829	1	30
690090	Milling machines, n.e.c., non-NC	100	1718	22	242
700020	Threading or tapping machines, n.e.c., NC	180	10219	24	1543
700080	Threading or tapping machines, n.e.c., non-NC	65	1404	4	89
8460110080	Flat surface grinding machines, NC	52	3369	13	1005
190010	Flat surface grinding mach., recip.-table type, non-NC	536	7299	88	913
190050	Flat surface grinding machines, n.e.c., non-NC	535	8931	65	487
210080	Grinding mach., of an accuracy at least 0.01mm, n.e.c., NC	185	40680	37	6224
290010	Grinding mach., external cylindrical, (incl. univ.), non-NC	78	5011	8	137
290030	Grinding machines, internal cylindrical, non-NC	55	5472	15	642
290050	Grinding mach., of accuracy at least 0.01mm, n.e.c., non-NC	429	21163	106	2904
310080	Sharpening machines (tool & cutter grinding), NC	100	3345	15	558
390050	Sharpening machines (tool & cutter grinding), non-NC	410	3447	44	414
400060	Honing or lapping machines, NC	15	1132	7	470
400080	Honing or lapping machines, non-NC	91	6810	21	1444
900060	Grinding, honing, polishing, & lapping mach., n.e.c., NC	7	336	0	0
900080	Grinding, honing, polishing, & lapping mach., n.e.c., non-NC	602	14479	114	3217
8461100060	Planing machines, NC	0	0	0	0
100080	Planing machines, non-NC	1	8	0	0
200010	Shaping or slotting machines, NC	3	115	0	0
200090	Shaping or slotting machines, non-NC	36	3760	5	60
300060	Broaching machines, NC	4	722	0	0
300080	Broaching machines, non-NC	14	5372	1	4
401020	Gear cutting for bevel gears	0	0	0	0
401030	Gear hobbers	36	8420	8	839
401040	Gear shapers	4	234	0	0
401060	Gear cutting machines, n.e.c.	46	188	0	0
405050	Gear grinding or finishing for bevel gears	2	1010	0	0
405070	Gear grinding or finishing machines, n.e.c.	41	10161	9	93
500050	Sawing or cutting-off machines, NC	51	3045	4	46
500090	Sawing or cutting-off machines, non-NC	691	12094	97	1467
9000000001	Metal cutting machine tools, n.e.c.	172	7349	19	107
9800000001	Used or rebuilt machine tools	2514	28972	183	4718
9900000001	Machine tools valued at less than $3,025	539189	49483	77007	7366
	Cutting Total			79191	123467
	Y-T-D Cutting Total	554066	828139		
	NC Y-T-D Cutting Total	4678	543018		

Please see notes on last page of the metal forming section.

U.S. IMPORTS - Metal Cutting Machine Tools - July 92

	Belgium		Brazil		Canada		France		Germany **	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8456301020	0	0	0	0	1	41	0	0	0	0
301050	0	0	0	0	0	0	0	0	2	44
301070	0	0	0	0	0	0	0	0	0	0
8457100015	0	0	0	0	0	0	0	0	3	376
100025	0	0	0	0	0	0	0	0	3	616
100035	0	0	0	0	0	0	0	0	27	1752
100045	0	0	0	0	0	0	0	0	2	195
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300010	0	0	0	0	0	0	0	0	0	0
300090	2	83	0	0	0	0	0	0	3	1558
8458110010	0	0	0	0	0	0	0	0	1	268
110030	0	0	0	0	0	0	1	86	0	0
110050	0	0	0	0	0	0	0	0	2	61
110090	0	0	0	0	0	0	0	0	0	0
190030	0	0	52	485	2	138	0	0	0	0
190050	0	0	0	0	0	0	0	0	1	21
190070	0	0	0	0	0	0	0	0	2	1277
190090	0	0	0	0	0	0	20	79	0	0
911060	0	0	0	0	0	0	0	0	0	0
911080	0	0	0	0	0	0	0	0	0	0
915050	0	0	0	0	0	0	0	0	0	0
915070	0	0	0	0	0	0	0	0	0	0
991050	0	0	0	0	1	157	0	0	0	0
995090	0	0	4	31	1	99	0	0	2	246
8459100000	0	0	0	0	0	0	0	0	0	0
210080	0	0	0	0	0	0	0	0	1	108
290040	0	0	0	0	0	0	0	0	0	0
290050	0	0	3	43	0	0	0	0	0	0
290070	0	0	0	0	0	0	0	0	0	0
290090	0	0	0	0	0	0	4	820	1	138
310010	0	0	0	0	0	0	0	0	2	110
310040	0	0	0	0	0	0	0	0	2	304
310070	0	0	0	0	0	0	0	0	1	32
390040	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	0	0	0	0	0	0
400040	0	0	0	0	0	0	0	0	0	0
400050	0	0	0	0	0	0	0	0	0	0
400070	0	0	0	0	0	0	0	0	1	1315
400080	0	0	0	0	1	10	15	203	0	0
510080	0	0	0	0	0	0	0	0	0	0
590030	0	0	0	0	0	0	0	0	5	393
610080	0	0	0	0	1	1318	0	0	2	1371
690050	0	0	0	0	0	0	0	0	0	0
690070	0	0	0	0	0	0	0	0	0	0
690090	0	0	0	0	3	30	0	0	0	0
700020	0	0	0	0	1	245	0	0	1	64
700080	0	0	0	0	0	0	0	0	2	66
8460110080	0	0	0	0	0	0	0	0	1	465
190010	1	5	0	0	0	0	0	0	14	117
190050	0	0	0	0	0	0	0	0	1	42
210080	0	0	0	0	0	0	0	0	2	426
290010	0	0	0	0	1	9	0	0	0	0
290030	0	0	0	0	0	0	0	0	2	407
290050	0	0	0	0	0	0	0	0	28	376
310080	0	0	0	0	0	0	0	0	5	285
390050	0	0	0	0	3	13	0	0	6	103
400060	0	0	0	0	0	0	0	0	7	470
400080	0	0	0	0	0	0	0	0	2	285
900060	0	0	0	0	0	0	0	0	0	0
900080	0	0	0	0	3	94	0	0	11	447
8461100060	0	0	0	0	0	0	0	0	0	0
100080	0	0	0	0	0	0	0	0	0	0
200010	0	0	0	0	0	0	0	0	0	0
200090	1	40	0	0	1	4	0	0	3	15
300060	0	0	0	0	0	0	0	0	0	0
300080	0	0	0	0	0	0	0	0	1	4
401020	0	0	0	0	0	0	0	0	0	0
401030	0	0	0	0	0	0	0	0	6	798
401040	0	0	0	0	0	0	0	0	0	0
401060	0	0	0	0	0	0	0	0	0	0
405050	0	0	0	0	0	0	0	0	0	0
405070	0	0	0	0	0	0	0	0	0	0
500050	0	0	0	0	0	0	0	0	0	0
500090	0	0	0	0	24	338	0	0	14	513
9000000001	0	0	0	0	2	16	11	45	0	0
9800000001	0	0	0	0	24	953	9	22	14	305
9900000001	13	17	0	0	79	55	34	64	94	150
Month Tot	17	145	59	559	148	3519	94	1318	277	15522
Y-T-D Tot	36	500	225	3839	1499	19053	737	6014	4171	160414
NC YTD Tot	0	0	26	1532	32	8888	9	1800	300	94047

Please see notes on last page of the metal forming section.

U.S. IMPORTS - Metal Cutting Machine Tools - July 92

	Italy		Japan		Korea		Singapore		Spain	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8456301020	0	0	48	4503	0	0	0	0	0	0
301050	0	0	20	1723	0	0	0	0	0	0
301070	0	0	8	165	0	0	0	0	0	0
8457100015	0	0	103	10731	9	393	8	464	0	0
100025	0	0	3	741	0	0	0	0	0	0
100035	0	0	58	14351	2	99	0	0	0	0
100045	0	0	0	0	0	0	0	0	1	84
200010	0	0	0	0	0	0	0	0	0	0
200090	1	61	0	0	0	0	0	0	0	0
300010	0	0	0	0	0	0	0	0	0	0
300090	0	0	0	0	0	0	0	0	0	0
8458110010	0	0	49	7100	0	0	0	0	0	0
110030	0	0	99	8720	13	454	0	0	0	0
110050	0	0	28	5401	3	132	0	0	0	0
110090	0	0	0	0	0	0	0	0	0	0
190030	0	0	0	0	10	107	20	287	0	0
190050	0	0	0	0	0	0	0	0	0	0
190070	0	0	0	0	0	0	0	0	0	0
190090	1	169	1	114	0	0	0	0	0	0
911060	0	0	1	199	0	0	0	0	0	0
911080	0	0	6	868	0	0	0	0	0	0
915050	0	0	0	0	0	0	0	0	0	0
915070	0	0	0	0	0	0	0	0	0	0
991050	0	0	0	0	0	0	0	0	0	0
995090	0	0	2	30	14	1166	0	0	0	0
8459100000	0	0	0	0	0	0	0	0	0	0
210080	0	0	6	198	0	0	0	0	0	0
290040	0	0	0	0	0	0	0	0	1	14
290050	0	0	0	0	0	0	0	0	0	0
290070	0	0	0	0	0	0	0	0	0	0
290090	0	0	0	0	0	0	0	0	1	15
310010	0	0	0	0	0	0	0	0	0	0
310040	0	0	0	0	0	0	0	0	0	0
310070	0	0	0	0	0	0	0	0	0	0
390040	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	0	0	0	0	0	0
400040	0	0	0	0	0	0	0	0	0	0
400050	2	56	0	0	0	0	0	0	0	0
400070	0	0	0	0	0	0	0	0	0	0
400080	0	0	0	0	0	0	0	0	0	0
510080	0	0	1	108	0	0	0	0	0	0
590030	0	0	0	0	0	0	0	0	19	137
610080	0	0	3	315	0	0	0	0	0	0
690050	0	0	0	0	0	0	0	0	0	0
690070	0	0	0	0	0	0	0	0	0	0
690090	0	0	1	100	0	0	0	0	12	83
700020	0	0	22	1235	0	0	0	0	0	0
700080	0	0	0	0	0	0	0	0	0	0
8460110080	0	0	10	503	0	0	0	0	0	0
190010	0	0	0	0	0	0	31	379	0	0
190050	4	49	1	10	0	0	0	0	0	0
210080	0	0	24	4193	0	0	0	0	0	0
290010	0	0	0	0	0	0	0	0	0	0
290030	0	0	2	110	0	0	0	0	0	0
290050	50	266	5	1066	0	0	0	0	0	0
310080	0	0	5	34	0	0	0	0	0	0
390050	5	70	2	7	0	0	0	0	1	4
400060	0	0	0	0	0	0	0	0	0	0
400080	5	638	4	424	0	0	0	0	0	0
900060	0	0	0	0	0	0	0	0	0	0
900080	48	2025	38	475	0	0	0	0	0	0
8461100060	0	0	0	0	0	0	0	0	0	0
100080	0	0	0	0	0	0	0	0	0	0
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300060	0	0	0	0	0	0	0	0	0	0
300080	0	0	0	0	0	0	0	0	0	0
401020	0	0	0	0	0	0	0	0	0	0
401030	0	0	0	0	0	0	0	0	0	0
401040	0	0	0	0	0	0	0	0	0	0
401060	0	0	0	0	0	0	0	0	0	0
405050	0	0	0	0	0	0	0	0	0	0
405070	0	0	0	0	0	0	0	0	0	0
500050	4	46	0	0	0	0	0	0	0	0
500090	6	42	8	155	0	0	0	0	0	0
9000000001	1	15	0	0	0	0	0	0	0	0
9800000001	5	543	26	858	18	1055	0	0	1	3
9900000001	663	244	7236	1192	3675	349	0	0	25	5
Month Tot	795	4225	7820	65628	3744	3756	59	1130	61	345
Y-T-D Tot	15361	19786	51063	407202	14252	13338	606	9879	686	9995
NC YTD Tot	32	6787	2881	343433	89	4911	100	5366	8	2212

Please see notes on last page of the metal forming section.

U.S. IMPORTS - Metal Cutting Machine Tools - July 92

	Sweden		Switzerland		Taiwan		U.K.		All Other	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8456301020	0	0	14	1518	0	0	0	0	0	0
301050	0	0	4	381	0	0	0	0	1	11
301070	0	0	0	0	10	114	0	0	0	0
8457100015	0	0	0	0	24	1151	42	2666	4	260
100025	0	0	0	0	8	675	0	0	3	281
100035	0	0	0	0	0	0	2	330	0	0
100045	0	0	0	0	0	0	0	0	0	0
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300010	0	0	0	0	0	0	0	0	0	0
300090	0	0	0	0	0	0	0	0	0	0
8458110010	0	0	0	0	1	80	0	0	0	0
110030	0	0	0	0	23	1050	21	806	14	259
110050	0	0	0	0	6	396	0	0	0	0
110090	0	0	0	0	0	0	0	0	1	570
190030	0	0	0	0	60	300	4	128	88	576
190050	0	0	0	0	18	82	0	0	0	0
190070	0	0	1	392	0	0	0	0	0	0
190090	0	0	0	0	1	4	23	459	0	0
911060	0	0	0	0	0	0	0	0	0	0
911080	0	0	0	0	0	0	0	0	0	0
915050	0	0	0	0	0	0	0	0	0	0
915070	0	0	1	105	0	0	0	0	0	0
991050	0	0	0	0	0	0	0	0	0	0
995090	0	0	0	0	0	0	0	0	5	405
8459100000	0	0	0	0	0	0	0	0	0	0
210080	0	0	0	0	0	0	0	0	0	0
290040	0	0	0	0	0	0	0	0	0	0
290050	0	0	0	0	2	21	0	0	8	47
290070	0	0	0	0	0	0	0	0	0	0
290090	0	0	2	196	0	0	5	55	1	4
310010	0	0	0	0	1	155	1	161	0	0
310040	0	0	0	0	0	0	1	808	1	85
310070	0	0	0	0	0	0	0	0	0	0
390040	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	43	193	0	0	2	237
400040	0	0	0	0	0	0	0	0	0	0
400050	0	0	0	0	0	0	0	0	0	0
400070	0	0	0	0	0	0	0	0	0	0
400080	0	0	0	0	0	0	0	0	0	0
510080	1	29	0	0	2	8	0	0	10	47
590030	0	0	0	0	84	457	0	0	0	0
610080	0	0	1	81	5	28	0	0	12	140
690050	0	0	1	18	0	0	0	0	0	0
690070	0	0	0	0	1	30	0	0	0	0
690090	0	0	0	0	0	0	0	0	6	29
700020	0	0	0	0	0	0	0	0	0	0
700080	1	9	0	0	0	0	1	14	0	0
8460110080	0	0	0	0	0	0	0	0	2	37
190010	0	0	0	0	27	205	0	0	15	208
190050	0	0	17	110	42	276	0	0	0	0
210080	0	0	6	1369	0	0	5	237	0	0
290010	0	0	2	86	2	7	2	25	1	10
290030	0	0	0	0	2	38	0	0	9	87
290050	0	0	5	931	4	84	8	85	6	97
310080	0	0	3	204	0	0	0	0	2	34
390050	0	0	4	50	0	0	23	166	0	0
400060	0	0	0	0	0	0	0	0	0	0
400080	0	0	0	0	0	0	10	97	0	0
900060	0	0	0	0	0	0	0	0	0	0
900080	0	0	0	0	1	31	4	46	9	98
8461100060	0	0	0	0	0	0	0	0	0	0
100080	0	0	0	0	0	0	0	0	0	0
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300060	0	0	0	0	0	0	0	0	0	0
300080	0	0	0	0	0	0	0	0	0	0
401020	0	0	0	0	0	0	0	0	0	0
401030	0	0	0	0	0	0	0	0	2	40
401040	0	0	0	0	0	0	0	0	0	0
401060	0	0	0	0	0	0	0	0	0	0
405050	0	0	0	0	0	0	0	0	0	0
405070	0	0	0	0	0	0	0	0	9	93
500050	0	0	0	0	0	0	0	0	0	0
500090	0	0	2	61	25	192	9	61	9	103
9000000001	1	17	4	14	0	0	0	0	0	0
9800000001	0	0	2	223	6	21	60	598	18	137
9900000001	96	217	30	40	53941	4026	30	60	11091	947
Month Tot	99	272	99	5780	54339	9623	251	6802	11329	4841
Y-T-D Tot	785	4248	891	45932	363786	53966	1739	39369	98229	34604
NC YTD Tot	7	1111	183	23233	341	13790	306	22057	364	13850

Please see notes on last page of the metal forming section.

U.S. IMPORTS
Metal Forming Machine Tools, Machine Tool Totals and Other Manufacturing Technology
July 92

RELEASED: September 30, 1992

Metal Forming Machine Tools		TOTAL YTD UNITS	TOTAL YTD $000	TOTAL MO. UNITS	TOTAL MO. $000
8454300010	Die casting machines	221	12814	41	847
8462100030	Headers and upsetters, including cold headers	36	2894	3	250
100050	Forging or die stamping machines, and hammers, n.e.c.	572	54187	44	2666
210080	Bending, folding, straight. or flat. mach., incl presses, NC	319	20549	48	3309
290030	Press brakes, non-NC	114	3950	18	467
290040	Bending rolls, non-NC	38	1214	9	128
290050	Bending, folding, straight., or flat., n.e.c., non-NC	541	27347	70	2997
310080	Shearing machines, NC	27	3035	1	144
390050	Shearing machines, non-NC	219	11347	23	1838
410080	Punching or notching mach., incl. comb. punch & shear, NC	158	22346	13	2224
490050	Punching or notching mach., incl. comb. punch & sh., non-NC	263	10789	41	559
910060	Hydraulic presses, NC	13	7686	3	4232
910090	Hydraulic presses, non-NC	2972	17111	1536	2513
990030	Presses, n.e.c., NC	0	0	0	0
990035	Mechanical transfer presses, non-NC	10	37049	2	22851
990045	Mechanical presses, n.e.c., non-NC	123	4148	60	767
990060	Presses, n.e.c., non-NC	282	16967	67	4173
8463100080	Draw benches for bars, tubes, profiles, wire or the like	81	6684	4	200
200080	Thread rolling machines	31	1789	1	26
300080	Machines for working wire	380	13635	41	628
900080	Metal forming machine tools, n.e.c.	415	13981	40	787
9800000002	Used or rebuilt machine tools	1024	13248	370	2590
9900000002	Machine tools valued at less than $3,025	12050	4470	2872	969
	Forming Total			5307	55167
	Y-T-D Forming Total	19889	307241		
	NC Y-T-D Forming Total	517	53617		
	Cutting and Forming Totals:				
	Monthly Total			84498	178634
	Y-T-D Total	573955	1135380		
	NC Y-T-D Total	5195	596634		

Other Manufacturing Technology		TOTAL YTD		TOTAL MO.	
1000000000	Machine tool parts and accessories	0	316535	0	46317
2000000000	Parts for working rubber or plastics - heading 8477	0	172094	0	28072
2710003070	Quenching or cutting oils	0	254	0	49
8428900010	Industrial robots for lifting, handling, loading or unload	1469	31211	130	3278
8431390080	Parts industrial robots, handling and loading - heading 8428	0	44822	0	6944
8456101010	Laser, light or photon beam for working metal, NC	139	21745	36	4936
101020	Laser, light or photon beam for working metal, non-NC	46	5605	3	256
105000	Laser, light or photon beam for other materials	81	2564	4	368
201010	Ultrasonic processes for working metal, NC	0	0	0	0
201050	Ultrasonic processes for working metal, non-NC	1	4	0	0
205000	Ultrasonic processes for working other materials	35	131	1	8
8477103000	Injection molding mach., for manufacturing shoes	68	2834	1	66
106010	Injection molding mach., for rubber or oth. thermosetting	392	42115	41	3336
106050	Injection molding mach., for thermoplastics	2083	175792	404	27045
200005	Extruders; rubber or other thermosetting mat., single screw	19	2236	0	0
200015	Extruders; rubber or thermosetting, other incl. multi. screw	18	6298	3	1756
200035	Extruders; thermoplastics, single screw, less than 6.4cm	53	1415	6	358
200045	Extruders; thermoplastics, single screw, 6.4cm or greater	48	14585	14	2681
200055	Extruders; thermoplastics, mutli. screw, less than 6.4cm	46	2767	3	266
200065	Extruders; thermoplastics, multi. screw, 6.4cm or larger	34	8005	5	351
300000	Blow molding machines	150	29003	8	684
400000	Vacuum-molding and other thermoforming machines	180	6490	28	282
510010	Machines for molding or retreading pneumatic tires	372	9896	8	259
510090	Machines for molding or otherwise forming inner tubes	21	2138	2	24
590000	Machines for molding or otherwise forming n.e.c.	485	23692	49	6743
800000	Machines for working rubber or plastics n.e.c.	3278	79201	476	13452
8479899040	Industrial robots, n.e.c.	1444	42023	330	5384
908040	Industrial robot parts	0	20466	0	3229
8537100030	Numerical controls for controlling machine tools	4417	17584	575	2759
9024100000	Machines and appliances for testing metals	0	7990	0	672
9031100000	Machines for balancing mechanical parts	0	5072	0	384
300000	Profile projectors	0	2227	0	336
9032810020	Industrial process control instr., hydraulic	75548	1238	7184	173
810060	Industrial process control instr., pneumatic	88265	1748	25873	343

Note: Product code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466945000.
Note: "0" in units column with corresponding value means that unit measure is not meaningful.
n.e.c. - Not elsewhere classified.

U.S. IMPORTS
Metal Forming Machine Tools, Machine Tool Totals and Other Manufacturing Technology
July 92

Metal Forming

	Belgium		Brazil		Canada		France		Germany **	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8454300010	0	0	0	0	4	123	0	0	1	114
8462100030	0	0	0	0	0	0	0	0	0	0
100050	0	0	0	0	1	44	0	0	19	280
210080	0	0	0	0	4	511	0	0	0	0
290030	2	128	0	0	8	293	0	0	0	0
290040	0	0	0	0	0	0	0	0	0	0
290050	0	0	0	0	20	480	0	0	14	514
310080	0	0	0	0	0	0	1	144	0	0
390050	3	75	0	0	3	130	0	0	1	5
410080	0	0	0	0	0	0	0	0	1	319
490050	0	0	0	0	0	0	0	0	21	186
910060	0	0	0	0	0	0	0	0	2	209
910090	0	0	0	0	0	0	0	0	2	25
990030	0	0	0	0	0	0	0	0	0	0
990035	0	0	1	19156	0	0	0	0	1	3695
990045	0	0	0	0	0	0	0	0	0	0
990060	0	0	0	0	24	1688	10	111	7	238
8463100080	0	0	0	0	0	0	0	0	3	191
200080	0	0	0	0	0	0	0	0	0	0
300080	0	0	0	0	0	0	0	0	3	146
900080	0	0	2	11	12	106	1	46	8	80
9800000002	259	793	0	0	69	889	0	0	11	513
9900000002	0	0	0	0	37	14	12	4	14	17
Month Tot	264	996	3	19166	182	4279	24	306	108	6532
Y-T-D Tot	338	5286	10	19175	1113	28056	340	3728	874	50565
NC YTD Tot	3	335	0	0	56	2773	4	296	92	11585
C&F Month	281	1141	62	19726	330	7798	118	1624	385	22054
C&F Y-T-D	374	5787	235	23014	2612	47109	1077	9743	5045	210978
C&F NC YTD	3	335	26	1532	88	11661	13	2096	392	105632

Other Manufacturing Technology

1000000000	0	633	0	185	0	6013	0	520	0	8754
2000000000	0	26	0	13	0	8964	0	431	0	6400
2710003070	0	0	0	0	0	40	0	0	0	9
8428900010	0	0	0	0	4	363	0	0	0	0
8431390080	0	0	0	10	0	1989	0	584	0	1061
8456101010	0	0	0	0	0	0	0	0	22	1735
101020	0	0	0	0	0	0	0	0	3	256
105000	0	0	0	0	2	366	0	0	0	0
201010	0	0	0	0	0	0	0	0	0	0
201050	0	0	0	0	0	0	0	0	0	0
205000	0	0	0	0	0	0	0	0	1	8
8477103000	0	0	0	0	0	0	0	0	0	0
106010	0	0	0	0	5	929	0	0	5	300
106050	0	0	0	0	50	6619	0	0	56	2416
200005	0	0	0	0	0	0	0	0	0	0
200015	0	0	0	0	0	0	0	0	3	1756
200035	0	0	0	0	0	0	0	0	4	329
200045	0	0	0	0	0	0	0	0	4	788
200055	0	0	0	0	0	0	0	0	1	70
200065	0	0	0	0	0	0	0	0	2	257
300000	0	0	0	0	1	13	0	0	1	34
400000	0	0	0	0	5	192	0	0	21	30
510010	0	0	0	0	1	44	0	0	2	3
510090	0	0	0	0	0	0	0	0	0	0
590000	0	0	0	0	19	1192	1	11	12	4893
800000	0	0	0	0	26	526	3	191	72	2480
8479899040	0	0	0	0	1	73	1	27	14	362
908040	0	0	0	0	0	31	0	310	0	1758
8537100030	0	0	0	0	0	0	0	0	17	93
9024100000	0	0	0	0	0	64	0	10	0	68
9031100000	0	0	0	0	0	140	0	59	0	41
300000	0	0	0	0	0	0	0	0	0	184
9032810020	0	0	0	0	6	23	0	0	0	0
810060	2	7	0	0	20	3	0	0	0	0

Note: Product Code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466945000.
Note: "0" in units column with corresponding value means that unit measure is not meaningful.

U.S. IMPORTS
Metal Forming Machine Tools, Machine Tool Totals and Other Manufacturing Technology
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Metal Forming

	Italy		Japan		Korea		Singapore		Spain	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8454300010	0	0	35	310	0	0	0	0	0	0
8462100030	0	0	3	250	0	0	0	0	0	0
100050	10	64	3	1530	0	0	0	0	0	0
210080	1	23	28	1724	0	0	0	0	0	0
290030	0	0	0	0	0	0	0	0	0	0
290040	8	94	0	0	0	0	0	0	0	0
290050	1	16	6	70	0	0	0	0	0	0
310080	0	0	0	0	0	0	0	0	0	0
390050	1	675	8	837	0	0	0	0	0	0
410080	0	0	9	1161	0	0	0	0	0	0
490050	0	0	4	71	1	57	0	0	9	155
910060	0	0	0	0	0	0	0	0	0	0
910090	620	418	1	34	1	29	0	0	0	0
990030	0	0	0	0	0	0	0	0	0	0
990035	0	0	0	0	0	0	0	0	0	0
990045	0	0	1	210	0	0	0	0	0	0
990060	2	21	5	855	0	0	0	0	0	0
8463100080	0	0	0	0	0	0	0	0	0	0
200080	0	0	1	26	0	0	0	0	0	0
300080	1	39	27	304	0	0	0	0	0	0
900080	7	498	1	5	0	0	0	0	0	0
9800000002	1	2	3	195	0	0	0	0	0	0
9900000002	38	76	1500	413	0	0	0	0	0	0
Month Tot	690	1927	1635	7995	2	86	0	0	9	155
Y-T-D Tot	1300	8912	4970	119015	51	1713	3	15	257	1725
NC YTD Tot	43	1895	243	22101	0	0	0	0	0	0
C&F Month	1485	6152	9455	73622	3746	3842	59	1130	70	500
C&F Y-T-D	16661	28698	56033	526216	14303	15051	609	9894	943	11720
C&F NC YTD	75	8682	3124	365534	89	4911	100	5366	8	2212

Other Manufacturing Technology

1000000000	0	2378	0	14851	0	94	0	90	0	112
2000000000	0	1646	0	6918	0	67	0	1	0	38
2710003070	0	0	0	0	0	0	0	0	0	0
8428900010	1	171	109	2204	0	0	0	0	0	0
8431390080	0	233	0	513	0	0	0	0	0	0
8456101010	0	0	14	3201	0	0	0	0	0	0
101020	0	0	0	0	0	0	0	0	0	0
105000	0	0	0	0	0	0	0	0	0	0
201010	0	0	0	0	0	0	0	0	0	0
201050	0	0	0	0	0	0	0	0	0	0
205000	0	0	0	0	0	0	0	0	0	0
8477103000	1	66	0	0	0	0	0	0	0	0
106010	5	375	9	1122	2	165	0	0	0	0
106050	24	895	243	16156	2	87	0	0	0	0
200005	0	0	0	0	0	0	0	0	0	0
200015	0	0	0	0	0	0	0	0	0	0
200035	1	14	0	0	0	0	0	0	0	0
200045	10	1893	0	0	0	0	0	0	0	0
200055	0	0	0	0	0	0	0	0	0	0
200065	0	0	0	0	0	0	0	0	0	0
300000	2	32	2	490	1	70	0	0	0	0
400000	0	0	1	34	0	0	0	0	0	0
510010	3	149	2	63	0	0	0	0	0	0
510090	0	0	1	2	0	0	0	0	0	0
590000	1	482	2	90	3	15	0	0	0	0
800000	3	2300	165	3646	3	26	0	0	1	148
8479899040	0	0	161	4183	90	37	0	0	0	0
908040	0	53	0	873	0	0	0	0	0	0
8537100030	46	149	470	1810	0	0	0	0	0	0
9024100000	0	88	0	112	0	0	0	0	0	0
9031100000	0	0	0	60	0	7	0	0	0	0
300000	0	0	0	20	0	0	0	0	0	0
9032810020	0	0	0	0	0	0	0	0	0	0
810060	450	59	993	25	7500	24	0	0	0	0

Note: Product Code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466945000.
Note: "0" in units column with corresponding value means that unit measure is not meaningful.

U.S. IMPORTS
Metal Forming Machine Tools, Machine Tool Totals and Other Manufacturing Technology
July 92

Metal Forming

	Sweden		Switzerland		Taiwan		U.K.		All Other	
	Units	$000	Units	$000	Units	$000	Units	$000	Units	$000
8454300010	0	0	1	300	0	0	0	0	0	0
8462100030	0	0	0	0	0	0	0	0	0	0
100050	0	0	1	644	0	0	0	0	10	104
210080	12	252	2	753	0	0	0	0	1	46
290030	0	0	0	0	4	17	0	0	4	29
290040	1	34	0	0	0	0	0	0	0	0
290050	17	1286	4	182	1	14	4	358	3	77
310080	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	0	0	3	50	4	67
410080	0	0	3	744	0	0	0	0	0	0
490050	2	22	0	0	3	22	1	47	0	0
910060	1	4024	0	0	0	0	0	0	0	0
910090	2	327	2	1564	245	21	0	0	663	95
990030	0	0	0	0	0	0	0	0	0	0
990035	0	0	0	0	0	0	0	0	0	0
990045	0	0	0	0	0	0	54	177	5	379
990060	5	44	4	373	6	243	0	0	4	599
8463100080	0	0	0	0	0	0	1	9	0	0
200080	0	0	0	0	0	0	0	0	0	0
300080	0	0	3	54	0	0	5	19	2	66
900080	0	0	8	36	0	0	1	5	0	0
9800000002	3	26	1	13	5	28	16	86	2	45
9900000002	4	6	37	55	1017	241	103	57	110	86
Month Tot	47	6021	66	4718	1281	585	188	809	808	1593
Y-T-D Tot	297	11597	552	18740	5256	4264	995	11127	4988	23321
NC YTD Tot	16	5015	13	3716	4	87	15	2862	28	2952
C&F Month	146	6294	165	10499	55620	10208	439	7611	12137	6434
C&F Y-T-D	1082	15845	1443	64672	369042	58230	2734	50496	103217	57926
C&F NC YTD	23	6126	196	26949	345	13877	321	24919	392	16802

Other Manufacturing Technology

1000000000	0	591	0	2840	0	2774	0	2724	0	3758
2000000000	0	73	0	554	0	233	0	1093	0	1615
2710003070	0	0	0	0	0	0	0	0	0	0
8428900010	12	514	1	1	0	0	3	4	0	0
8431390080	0	49	0	233	0	92	0	614	0	1564
8456101010	0	0	0	0	0	0	0	0	0	0
101020	0	0	0	0	0	0	0	0	0	0
105000	0	0	0	0	0	0	0	0	2	3
201010	0	0	0	0	0	0	0	0	0	0
201050	0	0	0	0	0	0	0	0	0	0
205000	0	0	0	0	0	0	0	0	0	0
8477103000	0	0	0	0	0	0	0	0	0	0
106010	0	0	0	0	3	120	10	105	2	220
106050	1	15	2	238	14	216	4	38	8	364
200005	0	0	0	0	0	0	0	0	0	0
200015	0	0	0	0	0	0	0	0	0	0
200035	0	0	0	0	0	0	1	14	0	0
200045	0	0	0	0	0	0	0	0	0	0
200055	0	0	0	0	0	0	2	196	0	0
200065	0	0	0	0	0	0	0	0	3	94
300000	0	0	0	0	1	45	0	0	0	0
400000	0	0	0	0	0	0	1	25	0	0
510010	0	0	0	0	0	0	0	0	0	0
510090	0	0	0	0	0	0	0	0	1	22
590000	0	0	0	0	1	29	4	10	6	21
800000	4	116	4	17	25	142	149	380	21	3479
8479899040	1	63	1	55	0	0	1	143	60	441
908040	0	52	0	25	0	0	0	25	0	102
8537100030	6	526	1	18	30	31	0	0	5	132
9024100000	0	7	0	285	0	0	0	104	0	13
9031100000	0	0	0	0	0	0	0	69	0	7
300000	0	0	0	13	0	0	0	119	0	0
9032810020	0	0	151	11	0	0	504	11	6523	129
810060	0	0	0	0	8612	18	108	7	8188	201

Note: Product Code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466945000.
Note: "0" in units column with corresponding value means that unit measure is not meaningful.

U.S. IMPORTS
Metal Cutting and Metal Forming Machine Tool Totals
July 92

	METAL CUTTING		METAL FORMING		TOTAL	
	UNITS	$000	UNITS	$000	UNITS	$000
EUROPE						
Austria	113	914	7	76	120	990
Bulgaria	12	91	0	0	12	91
Croatia	0	0	0	0	0	0
Czechoslovakia	5	86	9	51	14	138
Denmark	49	146	50	34	99	180
Finland	5	7	0	0	5	7
Hungary	2	57	0	0	2	57
Ireland	0	0	7	28	7	28
Luxembourg	0	0	0	0	0	0
Netherlands	12	102	4	186	16	288
Norway	1	4	0	0	1	4
Poland	23	623	0	0	23	623
Portugal	0	0	6	140	6	140
Romania	0	0	0	0	0	0
USSR	0	0	0	0	0	0
Yugoslavia	0	0	0	0	0	0
Oth Europe	38	422	1	62	39	484
TOTAL	1953	36862	1480	22041	3433	58903
NORTH AND CENTRAL AMERICA						
Barbados	0	0	0	0	0	0
Dominican Rep	0	0	0	0	0	0
Mexico	1	2	669	431	670	433
Oth N & C Am.	0	0	0	0	0	0
TOTAL	149	3522	851	4710	1000	8231
SOUTH AMERICA						
Argentina	2	27	0	0	2	27
Chile	0	0	0	0	0	0
Colombia	0	0	0	0	0	0
Paraguay	0	0	0	0	0	0
Peru	0	0	0	0	0	0
Uruguay	0	0	0	0	0	0
Venezuela	0	0	1	6	1	6
Oth South Am.	0	0	0	0	0	0
TOTAL	61	587	4	19172	65	19759
OCEANIA						
Australia	11	107	0	0	11	107
New Zealand	0	0	0	0	0	0
Oth Oceania	0	0	0	0	0	0
TOTAL	11	107	0	0	11	107

U.S. IMPORTS
Metal Cutting and Metal Forming Machine Tool Totals
July 92

	METAL CUTTING		METAL FORMING		TOTAL	
	UNITS	$000	UNITS	$000	UNITS	$000
ASIA						
China	10734	1227	52	67	10786	1294
Hong Kong	24	54	1	443	25	496
India	13	81	0	0	13	81
Indonesia	0	0	0	0	0	0
Iran	0	0	0	0	0	0
Iraq	0	0	0	0	0	0
Israel	8	546	0	0	8	546
Malaysia	0	0	0	0	0	0
Pakistan	0	0	0	0	0	0
Philippines	0	0	0	0	0	0
Thailand	17	216	0	0	17	216
Oth Asia	9	93	0	0	9	93
TOTAL	76767	82355	2971	9175	79738	91530
AFRICA						
Ghana	0	0	0	0	0	0
Kenya	0	0	0	0	0	0
Niger	0	0	0	0	0	0
South Africa	1	2	1	70	2	72
Swaziland	0	0	0	0	0	0
Oth Africa	249	33	0	0	249	33
TOTAL	250	35	1	70	251	105

Note: Region totals include top countries detailed by product as well as countries listed above.
** West and East Germany are combined.
Cutting Section Notes:
Total for Metal Cutting and Metal Forming appears in Metal Forming Section.
Product Code 9000000001, Metal cutting machine tools, n.e.c., represents the total of codes: 8461900040 and 8461900080.
n.e.c. - Not elsewhere classified.